FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 1 OF 5

AIKEN COUNTY, SOUTH CAROLINA

AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
AIKEN, CITY OF	450003
AIKEN COUNTY, UNINCORPORATED AREAS	450002
BURNETTOWN, TOWN OF	450004
JACKSON, CITY OF	450005
MONETTA, TOWN OF*	450033
NEW ELLENTON, CITY OF	450006
NORTH AUGUSTA, CITY OF	450007
PERRY, TOWN OF*	450211
SALLEY, TOWN OF*	450207
WAGENER, TOWN OF*	450179
WINDSOR, TOWN OF*	450295

*No Special Flood Hazard Areas Identified

FEMA

REVISED:

FLOOD INSURANCE STUDY NUMBER

45003CV001B

Version Number 2.3.3.3

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Exhibits

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Published Separately

Flood Insurance Rate Map (FIRM)

FLOOD INSURANCE STUDY REPORT
AIKEN COUNTY, SOUTH CAROLINA

SECTION 1.0 – INTRODUCTION

1.1 The National Flood Insurance Program

The National Flood Insurance Program (NFIP) is a voluntary Federal program that enables property owners in participating communities to purchase insurance protection against losses from flooding. This insurance is designed to provide an alternative to disaster assistance to meet the escalating costs of repairing damage to buildings and their contents caused by floods.

For decades, the national response to flood disasters was generally limited to constructing flood-control works such as dams, levees, sea-walls, and the like, and providing disaster relief to flood victims. This approach did not reduce losses nor did it discourage unwise development. In some instances, it may have actually encouraged additional development. To compound the problem, the public generally could not buy flood coverage from insurance companies, and building techniques to reduce flood damage were often overlooked.

In the face of mounting flood losses and escalating costs of disaster relief to the general taxpayers, the U.S. Congress created the NFIP. The intent was to reduce future flood damage through community floodplain management ordinances, and provide protection for property owners against potential losses through an insurance mechanism that requires a premium to be paid for the protection.

The U.S. Congress established the NFIP on August 1, 1968, with the passage of the National Flood Insurance Act of 1968. The NFIP was broadened and modified with the passage of the Flood Disaster Protection Act of 1973 and other legislative measures. It was further modified by the National Flood Insurance Reform Act of 1994 and the Flood Insurance Reform Act of 2004. The NFIP is administered by the Federal Emergency Management Agency (FEMA), which is a component of the Department of Homeland Security (DHS).

Participation in the NFIP is based on an agreement between local communities and the Federal Government. If a community adopts and enforces floodplain management regulations to reduce future flood risks to new construction and substantially improved structures in Special Flood Hazard Areas (SFHAs), the Federal Government will make flood insurance available within the community as a financial protection against flood losses. The community's floodplain management regulations must meet or exceed criteria established in accordance with Title 44 Code of Federal Regulations (CFR) Part 60.3, *Criteria for land Management and Use*.

SFHAs are delineated on the community's Flood Insurance Rate Maps (FIRMs). Under the NFIP, buildings that were built before the flood hazard was identified on the community's FIRMs are generally referred to as "Pre-FIRM" buildings. When the NFIP was created, the U.S. Congress recognized that insurance for Pre-FIRM buildings would be prohibitively expensive if the premiums were not subsidized by the Federal Government. Congress also recognized that most of these floodprone buildings were built by individuals who did not have sufficient knowledge of the flood hazard to make informed decisions. The NFIP requires that full actuarial rates reflecting the complete flood risk be charged on all buildings constructed or substantially improved on or after the effective date of the initial FIRM for the community or after December 31, 1974, whichever is

later. These buildings are generally referred to as “Post-FIRM” buildings.

1.2 Purpose of this Flood Insurance Study Report

This Flood Insurance Study (FIS) report revises and updates information on the existence and severity of flood hazards for the study area. The studies described in this report developed flood hazard data that will be used to establish actuarial flood insurance rates and to assist communities in efforts to implement sound floodplain management.

In some states or communities, floodplain management criteria or regulations may exist that are more restrictive than the minimum Federal requirements. Contact your State NFIP Coordinator to ensure that any higher State standards are included in the community’s regulations.

1.3 Jurisdictions Included in the Flood Insurance Study Project

This FIS Report covers the entire geographic area of Aiken County, South Carolina.

The jurisdictions that are included in this project area, along with the Community Identification Number (CID) for each community and the 8-digit Hydrologic Unit Codes (HUC-8) sub-basins affecting each, are shown in Table 1. The Flood Insurance Rate Map (FIRM) panel numbers that affect each community are listed. If the flood hazard data for the community is not included in this FIS Report, the location of that data is identified.

The location of flood hazard data for participating communities in multiple jurisdictions is also indicated in the table.

Jurisdictions that have no identified SFHAs as of the effective date of this study are indicated in the table. Changed conditions in these communities (such as urbanization or annexation) or the availability of new scientific or technical data about flood hazards could make it necessary to determine SFHAs in these jurisdictions in the future.

Table 1: Listing of NFIP Jurisdictions

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Aiken, City of	450003	03050204, 03060106	45003C0334E, 45003C0342E, 45003C0344E, 45003C0353E, 45003C0354E, 45003C0360E, 45003C0361E, 45003C0362E, 45003C0363E, 45003C0364E, 45003C0368E, 45003C0370E[2], 45003C0507F, 45003C0526E,	

Table 1: Listing of NFIP Jurisdictions, continued

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Aiken, City of (continued)	450003	03050204, 03060106	45003C0527E, 45003C0528E	
Aiken County, Unincorporated Areas	450002	03050109, 03050203, 03050204, 03050207, 03060106, 03060107	45003C0025E[2], 45003C0040E, 45003C0045E, 45003C0050E[2], 45003C0055E, 45003C0060E, 45003C0065E, 45003C0070E, 45003C0090E, 45003C0095E, 45003C0119E, 45003C0130E[2], 45003C0135E, 45003C0140E, 45003C0145E, 45003C0155E, 45003C0160E, 45003C0165E, 45003C0170E, 45003C0180E, 45003C0185E, 45003C0190E, 45003C0195E, 45003C0210E, 45003C0220E, 45003C0225E[2], 45003C0230E, 45003C0235E, 45003C0240E[2], 45003C0245E, 45003C0265E, 45003C0270E, 45003C0292F, 45003C0294F, 45003C0305E[2], 45003C0307E, 45003C0309E, 45003C0310E[2], 45003C0311E, 45003C0312E, 45003C0313F, 45003C0314E, 45003C0316E, 45003C0317E, 45003C0318E[2], 45003C0319E,	

Table 1: Listing of NFIP Jurisdictions, continued

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Aiken County, Unincorporated Areas (continued)	450002	03050109, 03050203, 03050204, 03050207, 03060106, 03060107	45003C0326E, 45003C0327E, 45003C0328E, 45003C0329E, 45003C0331E, 45003C0332E, 45003C0333E, 45003C0334E, 45003C0336E, 45003C0337E, 45003C0338E, 45003C0339E, 45003C0341E, 45003C0342E, 45003C0343E[2], 45003C0344E, 45003C0351E, 45003C0352E, 45003C0353E, 45003C0354E, 45003C0356E, 45003C0360E, 45003C0361E, 45003C0362E, 45003C0363E, 45003C0364E, 45003C0368E, 45003C0369E, 45003C0370E[2], 45003C0380E, 45003C0385E, 45003C0390E, 45003C0395E, 45003C0405E, 45003C0410E, 45003C0415E, 45003C0420E, 45003C0430E, 45003C0440E, 45003C0450E[2], 45003C0455E[2], 45003C0476F, 45003C0477F, 45003C0481F, 45003C0482F, 45003C0483F, 45003C0484F, 45003C0487E, 45003C0489E,	

Table 1: Listing of NFIP Jurisdictions, continued

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Aiken County, Unincorporated Areas (continued)	450002	03050109, 03050203, 03050204, 03050207, 03060106, 03060107	45003C0491F, 45003C0492E, 45003C0493E, 45003C0494E, 45003C0501E[2], 45003C0502E, 45003C0503E, 45003C0504E, 45003C0506E, 45003C0507F, 45003C0508E, 45003C0509E, 45003C0511E, 45003C0512E, 45003C0513E, 45003C0514E, 45003C0516E, 45003C0517E, 45003C0518E, 45003C0519E, 45003C0526E, 45003C0527E, 45003C0528E, 45003C0529E[2], 45003C0531E, 45003C0532E, 45003C0533E, 45003C0534E, 45003C0540E, 45003C0541E, 45003C0542E, 45003C0543E, 45003C0544E, 45003C0551E, 45003C0552E, 45003C0553E, 45003C0554E[2], 45003C0561E, 45003C0562E[2], 45003C0563E, 45003C0564E, 45003C0575E, 45003C0585E, 45003C0600E[2], 45003C0625E, 45003C0627E, 45003C0629E[2], 45003C0631E, 45003C0632E,	

Table 1: Listing of NFIP Jurisdictions, continued

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Aiken County, Unincorporated Areas (continued)	450002	03050109, 03050203, 03050204, 03050207, 03060106, 03060107	45003C0633E, 45003C0634E, 45003C0642E, 45003C0651E, 45003C0652E, 45003C0653E, 45003C0654E, 45003C0656E, 45003C0658E, 45003C0660E, 45003C0661E, 45003C0662E, 45003C0663E, 45003C0664E, 45003C0670F, 45003C0685E, 45003C0695F, 45003C0700F, 45003C0705E, 45003C0710E, 45003C0725E[2], 45003C0726E, 45003C0727F, 45003C0731F, 45003C0735F, 45003C0775F	
Burnettown, Town of	450004	03060106	45003C0318E[2], 45003C0319E, 45003C0336E, 45003C0336E, 45003C0337E, 45003C0338E, 45003C0339E, 45003C0501E[2], 45003C0502E	
Jackson, City of	450005	03060106	45003C0654E, 45003C0656E, 45003C0658E, 45003C0660E, 45003C0670F	
Monetta, Town of[1]	450033	03050109, 03050204	45003C0055E	

Table 1: Listing of NFIP Jurisdictions, continued

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
New Ellenton, City of	450006	03060106	45003C0533E, 45003C0534E, 45003C0540E, 45003C0541E, 45003C0542E, 45003C0543E, 45003C0544E	
North Augusta, City of	450007	03060106	45003C0292F, 45003C0294F, 45003C0305E[2], 45003C0310E[2], 45003C0311E, 45003C0312E, 45003C0313F, 45003C0314E, 45003C0316E, 45003C0317E, 45003C0318E[2], 45003C0319E, 45003C0476F, 45003C0477F, 45003C0481F, 45003C0483F	
Perry, Town of[1]	450211	03050203, 03050204	45003C0240E[2], 45003C0245E, 45003C0430E, 45003C0450E[2]	
Salley, Town of[1]	450207	03050204	45003C0450E[2]	
Wagener, Town of[1]	450179	03050203, 03050204	45003C0220E, 45003C0240E[2]	
Windsor, Town of[1]	450295	03050204	45003C0575E	

[1] No Special Flood Hazard Areas Identified

[2] Panel Not Printed

1.4 Considerations for using this Flood Insurance Study Report

The NFIP encourages State and local governments to implement sound floodplain management programs. To assist in this endeavor, each FIS Report provides floodplain data, which may include a combination of the following: 10-, 4-, 2-, 1-, and 0.2-percent annual chance flood elevations (the 1% annual chance flood elevation is also referred to as the Base Flood Elevation (BFE)); delineations of the 1% annual chance and 0.2% annual chance floodplains; and 1% annual chance floodway. This information is presented on the FIRM and/or in many components of the FIS Report, including Flood Profiles, Floodway Data tables, Summary of Non-Coastal Stillwater Elevations tables, and Coastal Transect Parameters tables (not all components may be

provided for a specific FIS).

This section presents important considerations for using the information contained in this FIS Report and the FIRM, including changes in format and content. Figures 1, 2, and 3 present information that applies to using the FIRM with the FIS Report.

- Part or all of this FIS Report may be revised and republished at any time. In addition, part of this FIS Report may be revised by a Letter of Map Revision (LOMR), which does not involve republication or redistribution of the FIS Report. Refer to Section 6.5 of this FIS Report for information about the process to revise the FIS Report and/or FIRM.

  It is, therefore, the responsibility of the user to consult with community officials by contacting the community repository to obtain the most current FIS Report components. Communities participating in the NFIP have established repositories of flood hazard data for floodplain management and flood insurance purposes. Community map repository addresses are provided in Table 31, "Map Repositories," within this FIS Report.

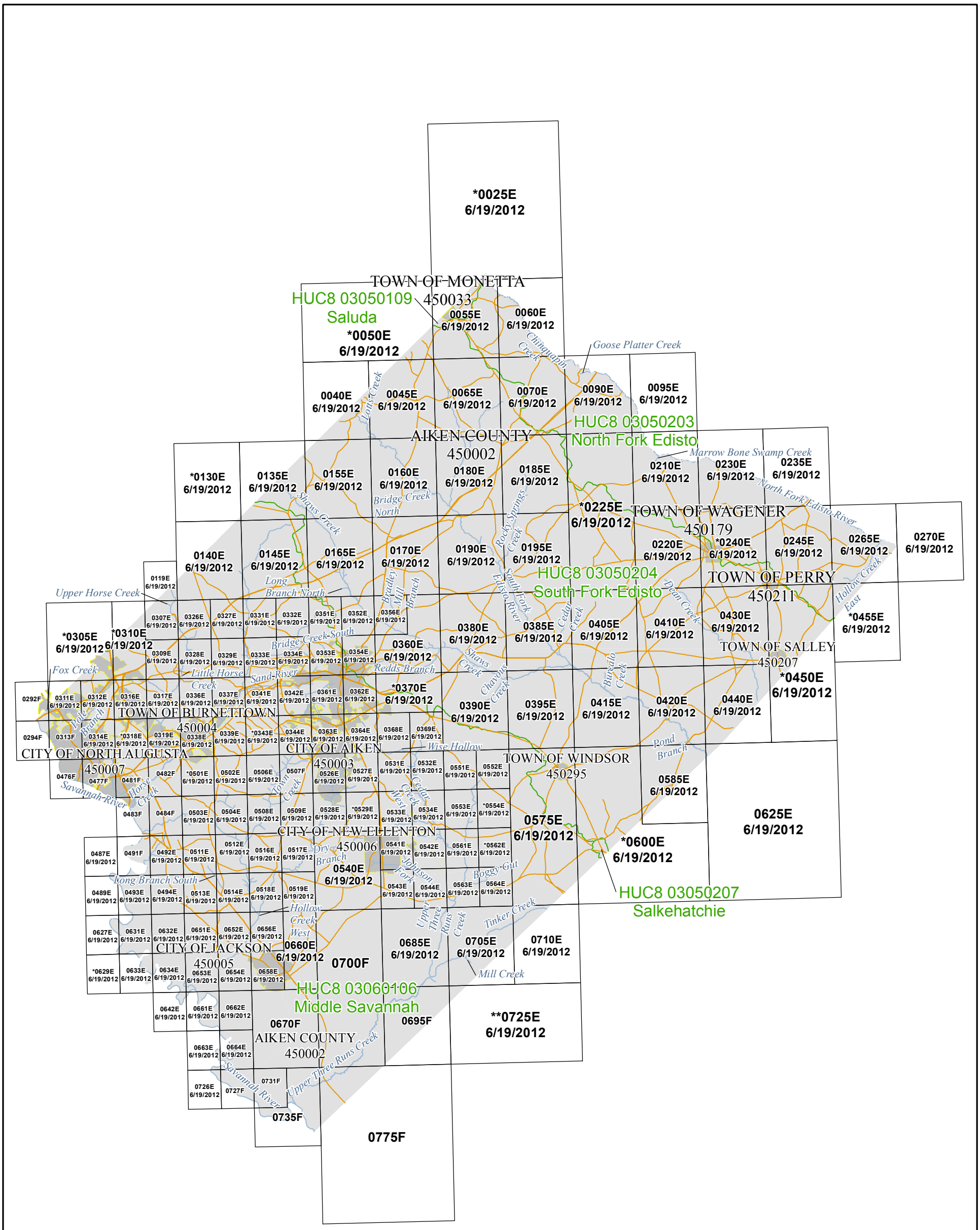
- New FIS Reports are frequently developed for multiple communities, such as entire counties. A countywide FIS Report incorporates previous FIS Reports for individual communities and the unincorporated area of the county (if not jurisdictional) into a single document and supersedes those documents for the purposes of the NFIP.

  The initial Countywide FIS Report for Aiken County became effective on June 19, 2012. Refer to Table 28 for information about subsequent revisions to the FIRMs.

- FEMA has developed a *Guide to Flood Maps* (FEMA 258) and online tutorials to assist users in accessing the information contained on the FIRM. These include how to read panels and step-by-step instructions to obtain specific information. To obtain this guide and other assistance in using the FIRM, visit the FEMA Web site at www.fema.gov/online-tutorials.

The FIRM Panel Index in Figure 1 shows the overall FIRM panel layout within Aiken County, and also displays the panel number and effective date for each FIRM panel in the county. Other information shown on the FIRM Panel Index includes community boundaries, flooding sources, watershed boundaries, and United States Geological Survey (USGS) Hydrologic Unit Code – 8 (HUC-8) codes.

Figure 1: FIRM Panel Index



1 inch = 28,292 feet 1:339,508

0 15,000 30,000 60,000 feet

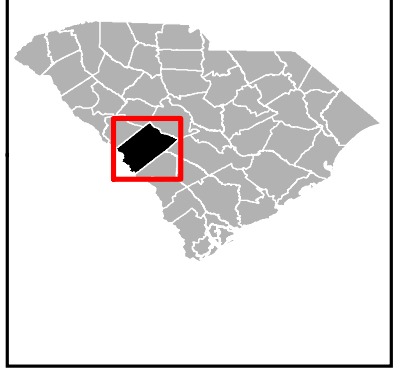
Map Projection:
Lambert Conformal Conic State Plane South Carolina FIPS 3900; North American Datum 1983
Western Hemisphere; Vertical Datum: North American Vertical Datum of 1988

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTP://MSC.FEMA.GOV

SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

*PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS
**PANEL NOT PRINTED - AREA IN ZONE D



NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

AIKEN COUNTY, SOUTH CAROLINA and Incorporated Areas

PANELS PRINTED: 0040, 0045, 0055, 0060, 0065, 0070, 0090, 0095, 0119, 0135, 0140, 0145, 0155, 0160, 0165, 0170, 0180, 0185, 0190, 0195, 0210, 0220, 0230, 0235, 0245, 0265, 0270, 0292, 0294, 0307, 0309, 0311, 0312, 0313, 0314, 0316, 0317, 0319, 0326, 0327, 0328, 0329, 0331, 0332, 0333, 0334, 0336, 0337, 0338, 0339, 0341, 0342, 0344, 0351, 0352, 0353, 0354, 0356, 0360, 0361, 0362, 0363, 0364, 0368, 0369, 0380, 0385, 0390, 0395, 405, 0410, 0415, 0420, 0430, 0440, 0476, 0477, 0481, 0482, 0483, 0484, 0487, 0489, 0491, 0492, 0493, 0494, 0502, 0503, 0504, 0506, 0507, 0508, 0509, 0511, 0512, 0513, 0514, 0516, 0517, 0518, 0519, 0526, 0527, 0528, 0531, 0532, 0533, 0534, 0540, 0541, 0542, 0543, 0544, 0551, 0552, 0553, 0561, 0563, 0564, 0575, 0585, 0625, 0627, 0631, 0632, 0633, 0634, 0642, 0651, 0652, 0653, 0654, 0656, 0658, 0660,0661, 0662, 0663, 0664, 0670, 0685, 0695, 0700, 0705, 0710, 0726, 0727, 0731, 0735, 0775

FEMA

MAP NUMBER
45003CIND0B

MAP REVISED

Each FIRM panel may contain specific notes to the user that provide additional information regarding the flood hazard data shown on that map. However, the FIRM panel does not contain enough space to show all the notes that may be relevant in helping to better understand the information on the panel. Figure 2 contains the full list of these notes.

Figure 2: FIRM Notes to Users

NOTES TO USERS

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products, or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Flood Map Service Center website or by calling the FEMA Map Information eXchange.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Panel Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates, refer to Table 28 in this FIS Report.

To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

PRELIMINARY FIS REPORT: FEMA maintains information about map features, such as street locations and names, in or near designated flood hazard areas. Requests to revise information in or near designated flood hazard areas may be provided to FEMA during the community review period, at the final Consultation Coordination Officer's meeting, or during the statutory 90-day appeal period. Approved requests for changes will be shown on the final printed FIRM.

The map is for use in administering the NFIP. It may not identify all areas subject to flooding, particularly from local drainage sources of small size. Consult the community map repository to find updated or additional flood hazard information.

BASE FLOOD ELEVATIONS: For more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, consult the Flood Profiles and Floodway Data and/or Summary of Non-Coastal Stillwater Elevations tables within this FIS Report. Use the flood elevation data within the FIS Report in conjunction with the FIRM for construction and/or floodplain management.

FLOODWAY INFORMATION: Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the FIS Report for this jurisdiction.

FLOOD CONTROL STRUCTURE INFORMATION: Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 4.3 "Non-Levee Flood Protection Measures" of this FIS Report for information on flood control structures for this jurisdiction.

Figure 2: FIRM Notes to Users

PROJECTION INFORMATION: The projection used in the preparation of the map was North American Datum of 1983 (NAD83) StatePlane South Carolina FIPS 3900, Lambert Conformal Conic. The horizontal datum was NAD83, Spheroid GRS 1980. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

ELEVATION DATUM: Flood elevations on the FIRM are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

Local vertical monuments may have been used to create the map. To obtain current monument information, please contact the appropriate local community listed in Table 31 of this FIS Report.

BASE MAP INFORMATION: Base map information shown on the FIRM was provided by NFHL and TIGER at a scale of 1:12,000. For panels dated June 19, 2012, base map information was provided by Aiken County Planning and Development GIS Department at scales of 1:400, 1:200, and 1:100. For information about base maps, refer to Section 6.2 “Base Map” in this FIS Report.

The map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables may reflect stream channel distances that differ from what is shown on the map.

Corporate limits shown on the map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after the map was published, map users should contact appropriate community officials to verify current corporate limit locations.

NOTES FOR FIRM PANEL INDEX

REVISIONS TO INDEX: As new studies are performed and FIRM panels are updated within Aiken County, South Carolina, corresponding revisions to the FIRM Panel Index will be incorporated within the FIS Report to reflect the effective dates of those panels. Please refer to Table 28 of this FIS Report to determine the most recent FIRM revision date for each community. The most recent FIRM panel effective date will correspond to the most recent index date.

Figure 2: FIRM Notes to Users

SPECIAL NOTES FOR SPECIFIC FIRM PANELS

This Notes to Users section was created specifically for Aiken County, South Carolina, effective TBD.

FLOOD RISK REPORT: A Flood Risk Report (FRR) may be available for many of the flooding sources and communities referenced in this FIS Report. The FRR is provided to increase public awareness of flood risk by helping communities identify the areas within their jurisdictions that have the greatest risks. Although non-regulatory, the information provided within the FRR can assist communities in assessing and evaluating mitigation opportunities to reduce these risks. It can also be used by communities developing or updating flood risk mitigation plans. These plans allow communities to identify and evaluate opportunities to reduce potential loss of life and property. However, the FRR is not intended to be the final authoritative source of all flood risk data for a project area; rather, it should be used with other data sources to paint a comprehensive picture of flood risk.

Each FIRM panel contains an abbreviated legend for the features shown on the maps. However, the FIRM panel does not contain enough space to show the legend for all map features. Figure 3 shows the full legend of all map features. Note that not all of these features may appear on the FIRM panels in Aiken County.

Figure 3: Map Legend for FIRM

SPECIAL FLOOD HAZARD AREAS: *The 1% annual chance flood, also known as the base flood or 100-year flood, has a 1% chance of happening or being exceeded each year. Special Flood Hazard Areas are subject to flooding by the 1% annual chance flood. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood. The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights. See note for specific types. If the floodway is too narrow to be shown, a note is shown.*

	Special Flood Hazard Areas subject to inundation by the 1% annual chance flood (Zones A, AE, AH, AO, AR, A99, V and VE)
Zone A	The flood insurance rate zone that corresponds to the 1% annual chance floodplains. No base (1% annual chance) flood elevations (BFEs) or depths are shown within this zone.
Zone AE	The flood insurance rate zone that corresponds to the 1% annual chance floodplains. Base flood elevations derived from the hydraulic analyses are shown within this zone, either at cross section locations or as static whole-foot elevations that apply throughout the zone.
Zone AH	The flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually areas of ponding) where average depths are between 1 and 3 feet. Whole-foot BFEs derived from the hydraulic analyses are shown at selected intervals within this zone.
Zone AO	The flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually sheet flow on sloping terrain) where average depths are between 1 and 3 feet. Average whole-foot depths derived from the hydraulic analyses are shown within this zone.
Zone AR	The flood insurance rate zone that corresponds to areas that were formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
Zone A99	The flood insurance rate zone that corresponds to areas of the 1% annual chance floodplain that will be protected by a Federal flood protection system where construction has reached specified statutory milestones. No base flood elevations or flood depths are shown within this zone.
Zone V	The flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Base flood elevations are not shown within this zone.
Zone VE	Zone VE is the flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Base flood elevations derived from the coastal analyses are shown within this zone as static whole-foot elevations that apply throughout the zone.

Figure 3: Map Legend for FIRM

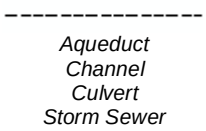
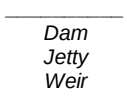
	Regulatory Floodway determined in Zone AE.
	Non-encroachment zone (see Section 2.4 of this FIS Report for more information)
OTHER AREAS OF FLOOD HAZARD	
	Shaded Zone X: Areas of 0.2% annual chance flood hazards and areas of 1% annual chance flood hazards with average depths of less than 1 foot or with drainage areas less than 1 square mile.
	Future Conditions 1% Annual Chance Flood Hazard – Zone X: The flood insurance rate zone that corresponds to the 1% annual chance floodplains that are determined based on future-conditions hydrology. No base flood elevations or flood depths are shown within this zone.
	Area with Reduced Flood Risk due to Levee: Areas where an accredited levee, dike, or other flood control structure has reduced the flood risk from the 1% annual chance flood.
OTHER AREAS	
	Zone D (Areas of Undetermined Flood Hazard): The flood insurance rate zone that corresponds to unstudied areas where flood hazards are undetermined, but possible.
	Unshaded Zone X: Areas of minimal flood hazard.
FLOOD HAZARD AND OTHER BOUNDARY LINES	
(ortho) (vector)	Flood Zone Boundary (white line on ortho-photography-based mapping; gray line on vector-based mapping)
	Limit of Study
	Jurisdiction Boundary
	Limit of Moderate Wave Action (LiMWA): Indicates the inland limit of the area affected by waves greater than 1.5 feet
GENERAL STRUCTURES	
	Channel, Culvert, Aqueduct, or Storm Sewer
	Dam, Jetty, Weir

Figure 3: Map Legend for FIRM

	Levee, Dike or Floodwall
Bridge	Bridge
COASTAL BARRIER RESOURCES SYSTEM (CBRS) AND OTHERWISE PROTECTED AREAS (OPA): *CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.*	
CBRS AREA 09/30/2009	Coastal Barrier Resources System Area: Labels are shown to clarify where this area shares a boundary with an incorporated area or overlaps with the floodway.
OTHERWISE PROTECTED AREA 09/30/2009	Otherwise Protected Area
REFERENCE MARKERS	
22.0	River mile Markers
CROSS SECTION & TRANSECT INFORMATION	
B 20.2	Lettered Cross Section with Regulatory Water Surface Elevation (BFE)
5280 21.1	Numbered Cross Section with Regulatory Water Surface Elevation (BFE)
17.5	Unlettered Cross Section with Regulatory Water Surface Elevation (BFE)
8	Coastal Transect
	Profile Baseline: Indicates the modeled flow path of a stream and is shown on FIRM panels for all valid studies with profiles or otherwise established base flood elevation.
	Coastal Transect Baseline: Used in the coastal flood hazard model to represent the 0.0-foot elevation contour and the starting point for the transect and the measuring point for the coastal mapping.
513	Base Flood Elevation Line (shown for flooding sources for which no cross sections or profile are available)

Figure 3: Map Legend for FIRM

ZONE AE (EL 16)	Static Base Flood Elevation value (shown under zone label)
ZONE AO (DEPTH 2)	Zone designation with Depth
ZONE AO (DEPTH 2) (VEL 15 FPS)	Zone designation with Depth and Velocity
BASE MAP FEATURES	
Horse Creek	River, Stream or Other Hydrographic Feature
	Interstate Highway
	U.S. Highway
	State Highway
234	County Highway
MAPLE LANE	Street, Road, Avenue Name, or Private Drive if shown on Flood Profile
RAILROAD	Railroad
	Horizontal Reference Grid Line
	Horizontal Reference Grid Ticks
+	Secondary Grid Crosshairs
Land Grant	Name of Land Grant
7	Section Number
R. 43 W. T. 22 N.	Range, Township Number
$^{42}76^{000m}$E	Horizontal Reference Grid Coordinates (UTM)
365000 FT	Horizontal Reference Grid Coordinates (State Plane)
80° 16’ 52.5”	Corner Coordinates (Latitude, Longitude)

SECTION 2.0 – FLOODPLAIN MANAGEMENT APPLICATIONS

2.1 Floodplain Boundaries

To provide a national standard without regional discrimination, the 1% annual chance (100-year) flood has been adopted by FEMA as the base flood for floodplain management purposes. The 0.2% annual chance (500-year) flood is employed to indicate additional areas of flood hazard in the community.

Each flooding source included in the project scope has been studied and mapped using professional engineering and mapping methodologies that were agreed upon by FEMA and Aiken County as appropriate to the risk level. Flood risk is evaluated based on factors such as known flood hazards and projected impact on the built environment. Engineering analyses were performed for each studied flooding source to calculate its 1% annual chance flood elevations; elevations corresponding to other floods (e.g. 10-, 4-, 2-, 0.2-percent annual chance, etc.) may have also been computed for certain flooding sources. Engineering models and methods are described in detail in Section 5.0 of this FIS Report. The modeled elevations at cross sections were used to delineate the floodplain boundaries on the FIRM; between cross sections, the boundaries were interpolated using elevation data from various sources. More information on specific mapping methods is provided in Section 6.0 of this FIS Report.

Depending on the accuracy of available topographic data (Table 23), study methodologies employed (Section 5.0), and flood risk, certain flooding sources may be mapped to show both the 1% and 0.2% annual chance floodplain boundaries, regulatory water surface elevations (BFEs), and/or a regulatory floodway. Similarly, other flooding sources may be mapped to show only the 1% annual chance floodplain boundary on the FIRM, without published water surface elevations. In cases where the 1% and 0.2% annual chance floodplain boundaries are close together, only the 1% annual chance floodplain boundary is shown on the FIRM. Figure 3, "Map Legend for FIRM", describes the flood zones that are used on the FIRMs to account for the varying levels of flood risk that exist along flooding sources within the project area. Table 2 and Table 3 indicate the flood zone designations for each flooding source and each community within Aiken County, South Carolina, respectively.

Table 2, "Flooding Sources Included in this FIS Report," lists each flooding source, including its study limits, affected communities, mapped zone on the FIRM, and the completion date of its engineering analysis from which the flood elevations on the FIRM and in the FIS Report were derived. Descriptions and dates for the latest hydrologic and hydraulic analyses of the flooding sources are shown in Table 13. Floodplain boundaries for these flooding sources are shown on the FIRM (published separately) using the symbology described in Figure 3. On the map, the 1% annual chance floodplain corresponds to the SFHAs. The 0.2% annual chance floodplain shows areas that, although out of the regulatory floodplain, are still subject to flood hazards.

Small areas within the floodplain boundaries may lie above the flood elevations but cannot be shown due to limitations of the map scale and/or lack of detailed topographic data. The procedures to remove these areas from the SFHA are described in Section 6.5 of this FIS Report.

Table 2: Flooding Sources Included in this FIS Report

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Abrams Branch	Aiken County, Unincorporated Areas	Confluence with Dean Creek	Approximately 220 feet downstream of Millers Pond Road	03050204	0.7	—	N	AE	2008
Beaverdam Branch	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	Approximately 230 feet downstream of Snipes Pond Road	03050204	1.3	—	N	AE	2008
Beaverdam Creek	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	Approximately 550 feet upstream of Archie Ware Road	03050204	0.2	—	N	AE	2008
Boggy Gut	Aiken County, Unincorporated Areas	Confluence with Upper Three Runs Creek	1.5 miles upstream of Boggy Gut Road	03060106	1.8	—	N	AE	2008
Bradley Mill Branch	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	1.0 miles upstream of Bradley Mill Road	03050204	1.9	—	N	AE	2008
Bridge Creek North	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	0.6 miles upstream of Columbia Highway North	03050204	2.6	—	N	AE	2008
Bridge Creek South	Aiken County, Unincorporated Areas	Confluence with Horse Creek	0.6 miles upstream of Railroad	03060106	0.8	—	N	AE	1978
Bridge Creek South	Aiken County, Unincorporated Areas	0.6 miles upstream of Railroad	Approximately 1,300 feet upstream of Vancluse Road	03060106	2.7	—	Y	AE	1978
Bridge Creek South	Aiken County, Unincorporated Areas	Approximately 1,300 feet upstream of Vancluse Road	0.6 miles upstream of Vancluse Road	03060106	0.4	—	N	AE	1978

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Bridge Creek South	Aiken County, Unincorporated Areas	0.6 miles upstream of Vancluse Road	0.9 miles upstream of Vancluse Road	03060106	0.3	—	Y	AE	1978
Bridge Creek South	Aiken County, Unincorporated Areas	0.9 miles upstream of Vancluse Road	0.4 miles downstream of Mayfield Road	03060106	0.4	—	N	AE	1978
Bridge Creek South	Aiken County, Unincorporated Areas	0.4 miles downstream of Mayfield Road	Approximately 900 feet downstream of Mayfield Road	03060106	0.2	—	Y	AE	1978
Bridge Creek South	Aiken County, Unincorporated Areas	Approximately 900 feet downstream of Mayfield Road	Approximately 800 feet upstream of Mayfield Road	03060106	0.3	—	N	AE	1978
Bridge Creek South	Aiken County, Unincorporated Areas	Approximately 800 feet upstream of Mayfield Road	0.5 miles upstream of Mayfield Road	03060106	0.3	—	Y	AE	1978
Bridge Creek South Tributary 1	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Bridge Creek South	0.6 miles upstream of University Parkway	03060106	1.0	—	Y	AE	1978
Bridge Creek South Tributary 2	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Bridge Creek South	Approximately 950 feet upstream of Lincoln Avenue	03060106	2.0	—	Y	AE	1978
Bridge Creek South Tributary 3	Aiken County, Unincorporated Areas	Confluence with Bridge Creek South	Approximately 30 feet upstream of Mayfield Road	03060106	0.1	—	N	AE	1978
Bridge Creek South Tributary 3	Aiken County, Unincorporated Areas	Approximately 30 feet upstream of Mayfield Road	Approximately 1,400 feet upstream of Mayfield Road	03060106	0.3	—	Y	AE	1978

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Brogdon Branch	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	Immediately downstream of Interstate-20	03050204	0.3	—	N	AE	2008
Bulls Branch	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	0.4 miles upstream of confluence with South Fork Edisto River	03050204	0.4	—	N	AE	2008
Burcalo Creek	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	1.0 miles upstream of confluence with South Fork Edisto River	03050204	1.0	—	N	AE	2008
Cedar Creek	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	1.0 miles upstream of Upper Pond Road	03050204	2.9	—	N	AE	2008
Cedar Creek West	Aiken County, Unincorporated Areas	Confluence with Upper Three Runs Creek	Approximately 420 feet upstream of confluence of Cedar Creek West Tributary 1	03060106	2.1	—	N	AE	2008
Cedar Creek West	Aiken County, Unincorporated Areas	Approximately 420 feet upstream of confluence of Cedar Creek West Tributary 1	1.2 miles upstream of confluence of Wise Hollow	03060106	7.3	—	Y	AE	2008
Cedar Creek West Tributary 1	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West	0.5 miles upstream of confluence with Cedar Creek West	03060106	0.5	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Cedar Creek West Tributary 2	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West	Approximately 700 feet upstream of Paddock Club Parkway	03060106	1.3	—	Y	AE	2008
Cedar Creek West Tributary 3	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West	0.5 miles upstream of Gamboa Place	03060106	2.7	—	Y	AE	2008
Cedar Creek West Tributary 3.2	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West Tributary 3	0.4 miles upstream of Club Drive	03060106	0.8	—	Y	AE	2008
Cedar Creek West Tributary 4	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West	Approximately 950 feet upstream of Belle Mead Drive	03060106	0.4	—	N	AE	2008
Cedar Creek West Tributary 5	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West	Approximately 70 feet upstream of Waterbridge Lane	03060106	0.3	—	N	AE	2008
Cedar Creek West Tributary 6	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West	0.4 miles upstream of Talatha Church Road	03060106	0.8	—	N	AE	2008
Cedar Creek West Tributary 7	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West	Approximately 330 feet upstream of Pintail Drive	03060106	0.4	—	N	AE	2008
Chavous Creek	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	0.8 miles upstream of Mill Spring Drive	03050204	1.8	—	N	AE	2008
Chinquapin Creek	Aiken County, Unincorporated Areas	Confluence with North Fork Edisto River	Approximately 700 feet upstream of Cocklebur Road	03050203	10.0	—	N	AE	2008
Chinquapin Creek	Aiken County, Unincorporated Areas	Approximately 700 feet upstream of Cocklebur Road	At Aiken-Lexington County Boundary	03050203	0.7	—	N	A	2013

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Clearwater Branch	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	0.4 miles upstream of confluence with Shaws Creek	03050204	0.4	—	N	AE	2008
Dairy Branch	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	0.8 miles upstream of confluence with Shaws Creek	03050204	0.8	—	N	AE	2008
Dairy Branch Tributary 1	Aiken County, Unincorporated Areas	Confluence with Dairy Branch	Approximately 1,300 feet upstream of confluence with Dairy Branch	03050204	0.3	—	N	AE	2008
Dean Creek	Aiken County, Unincorporated Areas	At Aiken-Orangeburg County Boundary	0.9 miles upstream of Wagener Trail Road	03050204	10.0	—	N	AE	2008
Dry Branch	Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 950 feet upstream of Dry Branch Road	03060106	0.4	—	N	AE	2008
Dry Branch Tributary 1	Aiken County, Unincorporated Areas	Confluence with Dry Branch	Approximately 370 feet upstream of Gray Mare Hollow Road	03060106	0.4	—	N	AE	2008
Dry Branch Tributary 2	Aiken County, Unincorporated Areas	Confluence with Dry Branch	0.4 miles upstream of confluence with Dry Branch	03060106	0.4	—	N	AE	2008
Dry Branch Tributary 3	Aiken County, Unincorporated Areas	Confluence with Dry Branch	Approximately 1,200 feet upstream of Ann Drive	03060106	3.0	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Fox Creek	North August, City of; Aiken County, Unincorporated Areas	Confluence with Savannah River	At W. Martintown Road	03060106	1.5	—	Y	AE	1978
Franklin Branch	Aiken County, Unincorporated Areas	Confluence with Little Horse Creek	1.7 miles upstream of confluence with Little Horse Creek	03060106	1.7	—	N	AE	2008
Gopher Branch	Aiken County, Unincorporated Areas	Confluence with Horse Creek	Approximately 700 feet upstream of confluence with Horse Creek	03060106	0.1	—	N	AE	2008
Gully Creek	Aiken County, Unincorporated Areas	Confluence with McTier Creek	Approximately 1,300 feet upstream of Uncle Duck Road	03050204	3.7	—	N	AE	2008
Hall Branch	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	Approximately 950 feet upstream of confluence with Shaws Creek	03050204	0.2	—	N	AE	2008
Hightower Creek	Aiken County, Unincorporated Areas	Confluence with Little Horse Creek	Approximately 1,500 feet upstream of confluence with Little Horse Creek	03060106	0.3	—	N	AE	2008
Hollow Creek East	Aiken County, Unincorporated Areas	Confluence with North Fork Edisto River	0.4 miles upstream of Brim Road	03050203	3.7	—	N	AE	2008
Hollow Creek West	Aiken County, Unincorporated Areas	Confluence with Savannah River	Approximately 110 feet downstream of Woodfield Road	03060106	11.7	—	Y	AE	1978

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Hollow Creek West	Aiken County, Unincorporated Areas	Approximately 110 feet downstream of Woodfield Road	Approximately 1,100 feet upstream of Anderson Pond Road	03060106	4.7	—	N	AE	2008
Hollow Creek West	Aiken, City of; Aiken County, Unincorporated Areas	Approximately 1,100 feet upstream of Anderson Pond Road	Approximately 1,000 feet upstream of Woodside Plantation Drive	03060106	2.8	—	Y	AE	2008
Hollow Creek West Tributary 3	Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 270 feet upstream of Chavous Road	03060106	0.3	—	N	AE	2008
Hollow Creek West Tributary 4	Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 850 feet upstream of Woodfield Road	03060106	0.3	—	N	AE	2008
Hollow Creek West Tributary 6	Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 1,000 feet upstream of confluence with Hollow Creek West	03060106	0.2	—	N	AE	2008
Hollow Creek West Tributary 7	Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 1,300 feet upstream of confluence with Hollow Creek West	03060106	0.2	—	N	AE	2008
Hollow Creek West Tributary 8	Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 1,800 feet upstream of confluence with Hollow Creek West	03060106	0.4	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Hollow Creek West Tributary 9	Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 1,400 feet upstream of confluence with Hollow Creek West	03060106	0.3	—	N	AE	2008
Hollow Creek West Tributary 10	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	0.5 miles upstream of Anderson Pond Road	03060106	0.7	—	Y	AE	2008
Hollow Creek West Tributary 11	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 190 feet downstream of Sunshine Circle	03060106	1.6	—	Y	AE	2008
Hollow Creek West Tributary 12	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	0.4 miles upstream of confluence with Hollow Creek West	03060106	0.5	—	Y	AE	1978
Hollow Creek West Tributary 12A	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 300 feet downstream of Spaulding Bridge Road	03060106	0.8	—	Y	AE	2008
Hollow Creek West Tributary 13	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	0.4 miles upstream of confluence with Hollow Creek West	03060106	0.4	—	Y	AE	2008
Hollow Creek West Tributary 15	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	0.9 miles upstream of confluence with Hollow Creek West	03060106	0.9	—	Y	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Horse Branch	Aiken County, Unincorporated Areas	Confluence with Horse Creek	Approximately 1,300 feet upstream of confluence with Horse Creek	03060106	0.3	—	N	AE	1978
Horse Creek	North Augusta, City of; Aiken County, Unincorporated Areas	Confluence with Savannah River	Approximately 160 feet downstream of confluence of Little Horse Creek	03060106	4.8	—	Y	AE	1978
Horse Creek	Burnettown, Town of, Aiken County, Unincorporated Areas	Approximately 160 feet downstream of confluence of Little Horse Creek	Approximately 90 feet downstream of Jefferson Davis Highway	03060106	7.6	—	Y	AE	2008
Horse Creek	Aiken County, Unincorporated Areas	Approximately 90 feet downstream of Jefferson Davis Highway	0.9 miles upstream of Ascauga Lake Road	03060106	2.3	—	Y	AE	1978
Horse Creek	Aiken County, Unincorporated Areas	0.9 miles upstream of Ascauga Lake Road	0.9 miles upstream of confluence of Horse Creek Tributary 5	03060106	0.9	—	N	AE	1978
Horse Creek	Aiken County, Unincorporated Areas	0.9 miles upstream of confluence of Horse Creek Tributary 5	Approximately 240 feet downstream of Walton Street	03060106	1.6	—	Y	AE	1978
Horse Creek	Aiken County, Unincorporated Areas	Approximately 240 feet downstream of Walton Street	At Edgefield Highway	03060106	7.5	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Horse Creek Tributary 3	Burnettown, Town of, Aiken County, Unincorporated Areas	Confluence with Horse Creek	0.5 miles upstream of confluence with Horse Creek	03060106	0.5	—	N	AE	2008
Horse Creek Tributary 4	Burnettown, Town of, Aiken County, Unincorporated Areas	Confluence with Horse Creek	0.6 miles upstream of Jefferson Davis Highway	03060106	0.8	—	N	AE	2008
Horse Creek Tributary 5	Aiken County, Unincorporated Areas	Confluence with Horse Creek	0.4 miles upstream of confluence with Horse Creek	03060106	0.4	—	N	AE	2008
Horsepen Creek	Aiken County, Unincorporated Areas	Confluence with Little Horse Creek	0.5 miles upstream of Whaley Pond Road	03060106	0.8	—	N	AE	2008
Hunter Branch	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	0.9 miles upstream of confluence with South Fork Edisto River	03050204	0.9	—	N	AE	2008
Johnson Fork	Aiken County, Unincorporated Areas	Confluence with Upper Three Runs Creek	0.7 miles upstream of confluence of Johnson Fork Tributary 1	03060106	4.3	—	N	AE	2008
Johnson Fork Tributary 1	New Ellenton, City of; Aiken County, Unincorporated Areas	Confluence with Johnson Fork	Approximately 1,700 feet upstream of Forest Circle South West	03060106	2.2	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Johnson Fork Tributary 1.1	New Ellenton, City of; Aiken County, Unincorporated Areas	Confluence with Johnson Fork Tributary 1	0.8 miles upstream of confluence with Johnson Fork Tributary 1	03060106	0.8	—	N	AE	2008
Johnson Fork Tributary 1.2	New Ellenton, City of; Aiken County, Unincorporated Areas	Confluence with Johnson Fork Tributary 1	Approximately 350 feet upstream of confluence with Johnson Fork Tributary 1	03060106	0.1	—	N	AE	2008
Jordan Creek	Aiken County, Unincorporated Areas	Confluence with Dean Creek	0.5 miles upstream of confluence with Dean Creek	03050204	0.5	—	N	AE	2008
Joyce Branch	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	0.5 miles upstream of confluence with Shaws Creek	03050204	0.5	—	N	AE	2008
Little Horse Creek	Aiken County, Unincorporated Areas	Confluence with Horse Creek	0.4 miles upstream of Augusta Road	03060106	0.5	—	Y	AE	1978
Little Horse Creek	Burnettown, Town of, Aiken County, Unincorporated Areas	0.4 miles upstream of Augusta Road	0.4 miles upstream of Jefferson Davis Highway	03060106	0.7	—	N	AE	2008
Little Horse Creek	Burnettown, Town of, Aiken County, Unincorporated Areas	0.4 miles upstream of Jefferson Davis Highway	Approximately 160 feet upstream of Sudlow Lake Road	03060106	3.1	—	Y	AE	1978
Little Horse Creek	Aiken County, Unincorporated Areas	Approximately 160 feet upstream of Sudlow Lake Road	0.9 miles upstream of Sudlow Lake Road	03060106	0.9	—	N	AE	1978

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Little Horse Creek	Aiken County, Unincorporated Areas	0.9 miles upstream of Sudlow Lake Road	Approximately 380 feet upstream of Rainbow Falls Road	03060106	2.6	—	Y	AE	1978
Little Horse Creek	Aiken County, Unincorporated Areas	Approximately 380 feet upstream of Rainbow Falls Road	At Interstate-20	03060106	1.1	—	N	AE	1978
Little Horse Creek	Aiken County, Unincorporated Areas	At Interstate-20	Approximately 750 feet upstream of Whaley Pond Road	03060106	1.5	—	Y	AE	1978
Little Horse Creek	Aiken County, Unincorporated Areas	Approximately 750 feet upstream of Whaley Pond Road	0.4 miles upstream of Whaley Pond Road	03060106	0.3	—	N	AE	1978
Little Horse Creek	Aiken County, Unincorporated Areas	0.4 miles upstream of Whaley Pond Road	At Aiken-Edgefield County Boundary	03060106	1.3	—	Y	AE	1978
Little Horse Creek Tributary 1	Burnettown, Town of, Aiken County, Unincorporated Areas	Confluence with Little Horse Creek	Approximately 1,800 feet upstream of confluence with Little Horse Creek	03060106	0.3	—	N	AE	2008
Little Horse Creek Tributary 4	Aiken County, Unincorporated Areas	Confluence with Little Horse Creek	Approximately 1,400 feet upstream of confluence with Little Horse Creek	03060106	0.3	—	N	AE	2008
Long Branch North	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	0.5 miles upstream of confluence with Shaws Creek	03050204	0.5	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Long Branch South	Aiken County, Unincorporated Areas	Confluence with Town Creek	0.4 miles upstream of confluence with Town Creek	03060106	0.4	—	N	AE	1978
Long Branch South	Aiken County, Unincorporated Areas	0.4 miles upstream of confluence with Town Creek	Approximately 1,100 feet upstream of Silver Bluff Road	03060106	0.6	—	Y	AE	1978
Long Branch South	Aiken County, Unincorporated Areas	Approximately 1,100 feet upstream of Silver Bluff Road	0.4 miles upstream of Silver Bluff Road	03060106	0.2	—	N	AE	1978
Long Branch South	Aiken County, Unincorporated Areas	0.4 miles upstream of Silver Bluff Road	Approximately 1,100 feet upstream of River Bend Drive	03060106	2.0	—	Y	AE	1978
Lotts Creek	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	0.5 miles upstream of Whispering Pine Road	03050204	1.7	—	N	AE	2008
Lotts Creek Tributary 1	Aiken County, Unincorporated Areas	Confluence with Lotts Creek	Approximately 1,100 feet upstream of confluence with Lotts Creek	03050204	0.2	—	N	AE	2008
Marrow Bone Swamp Creek	Aiken County, Unincorporated Areas	Confluence with North Fork Edisto River	0.4 miles upstream of confluence with North Fork Edisto River	03050203	0.4	—	N	AE	2008
McTier Creek	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	Approximately 160 feet upstream of Old Shoals Road	03050204	7.7	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Mill Creek	Aiken County, Unincorporated Areas	Confluence with Tinker Creek	Approximately 1,200 feet upstream of Unnamed Road	03060106	0.4	—	N	AE	2008
Mims Branch	Burnettown, Town of, North Augusta, City of; Aiken County, Unincorporated Areas	Confluence with Little Horse Creek	Approximately 450 feet downstream of Old Sudlow Lake Road	03060106	0.7	—	N	AE	2008
Mims Branch	North Augusta, City of; Aiken County, Unincorporated Areas	Approximately 450 feet downstream of Old Sudlow Lake Road	2.4 miles upstream of Old Sudlow Lake Road	03060106	2.5	—	Y	AE	2008
Muddy Branch	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	0.4 miles upstream of confluence with South Fork Edisto River	03050204	0.4	—	N	AE	2008
No Name Creek To Dead River	Aiken County, Unincorporated Areas	Confluence with Savannah River	At Old Jackson Highway	03060106	1.8	—	Y	AE	1978
No Name Creek Tributary To Dead River	Aiken County, Unincorporated Areas	Confluence with No Name Creek To Dead River	At Atomic Road	03060106	1.6	—	Y	AE	1978
No Name Creek To Savannah River	Aiken County, Unincorporated Areas	Confluence with Savannah River	0.6 miles upstream of Blackston Camp Road	03060106	3.4	—	Y	AE	1978

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
No Name Creek Tributary To Savannah River	Aiken County, Unincorporated Areas	Confluence with No Name Creek To Savannah River	Approximately 170 feet downstream of Beach Island Avenue	03060106	0.7	—	Y	AE	1978
North Fork Edisto River	Aiken County, Unincorporated Areas	At Aiken-Lexington-Orangeburg County Boundary	Confluence of Chinquapin Creek	03050203	31.8	—	N	AE	2008
Paces Branch	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	At Aiken-Edgefield County Boundary	03050204	0.2	—	N	AE	2008
Pitman Branch	Aiken County, Unincorporated Areas	Confluence with Rocky Springs Creek	Approximately 1,000 feet upstream of confluence with Rocky Springs Creek	03050204	0.2	—	N	AE	2008
Pole Branch	North Augusta, City of; Aiken County, Unincorporated Areas	At W. Martintown Road	Approximately 1,400 feet upstream of W. Martintown Road	03060106	0.3	—	Y	AE	1978
Pole Branch	North Augusta, City of; Aiken County, Unincorporated Areas	Approximately 1,400 feet upstream of W. Martintown Road	0.5 miles upstream of W. Martintown Road	03060106	0.3	—	N	AE	1978
Pole Branch	North Augusta, City of; Aiken County, Unincorporated Areas	0.5 miles upstream of W. Martintown Road	2.1 miles upstream of Five Notch Road	03060106	3.7	—	Y	AE	1978

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Pole Branch Tributary 1	North Augusta, City of; Aiken County, Unincorporated Areas	Confluence with Pole Branch	Approximately 700 feet upstream of confluence with Pole Branch	03060106	0.1	—	N	AE	1978
Pole Branch Tributary 1	North Augusta, City of; Aiken County, Unincorporated Areas	Approximately 700 feet upstream of confluence with Pole Branch	0.4 miles upstream of confluence with Pole Branch	03060106	0.3	—	Y	AE	1978
Pole Branch Tributary 2	North Augusta, City of; Aiken County, Unincorporated Areas	Confluence with Pole Branch	At Knobcone Avenue	03060106	0.4	—	Y	AE	1978
Pole Branch Tributary 2	North Augusta, City of; Aiken County, Unincorporated Areas	At Knobcone Avenue	Approximately 110 feet upstream of Knobcone Avenue	03060106	0.1	—	N	A	1994
Pole Branch Tributary 3	North Augusta, City of; Aiken County, Unincorporated Areas	Confluence with Pole Branch	0.4 miles upstream of Bergen Road	03060106	1.0	—	Y	AE	1978
Pole Branch Tributary 4	North Augusta, City of; Aiken County, Unincorporated Areas	Confluence with Pole Branch	At Knobcone Avenue	03060106	0.2	—	Y	AE	1978
Pond Branch	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	0.4 miles upstream of Oak Ridge Club Road	03050204	0.7	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Redds Branch	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	Approximately 1,800 feet upstream of confluence with Shaws Creek	03050204	0.4	—	N	AE	2008
Redds Branch	Aiken, City of; Aiken County, Unincorporated Areas	Approximately 100 feet upstream of Wire Road	Approximately 80 feet upstream of Brentwood Place North East	03050204	0.3	—	Y	AE	1978
Reedy Branch	Aiken County, Unincorporated Areas	Confluence with Tinker Creek	0.4 miles upstream of confluence with Tinker Creek	03060106	0.4	—	N	AE	2008
Rocky Springs Creek	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	Approximately 1,450 feet upstream of Migrant Camp Road	03050204	6.0	—	N	AE	2008
Rocky Springs Creek Tributary 5	Aiken County, Unincorporated Areas	Confluence with Rocky Springs Creek	0.4 miles upstream of confluence with Rocky Springs Creek	03050204	0.4	—	N	AE	2008
Sage Mill Branch	Aiken County, Unincorporated Areas	Confluence with Horse Creek	1.3 miles upstream of confluence with Horse Creek	03060106	1.3	—	Y	AE	1978
Sand River	Aiken County, Unincorporated Areas	Confluence with Horse Creek	Approximately 480 feet upstream of confluence of Sand River Tributary C	03060106	5.9	—	Y	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Sand River	Aiken County, Unincorporated Areas	Approximately 480 feet upstream of confluence of Sand River Tributary C	Approximately 700 feet upstream of confluence of Sand River Tributary C	03060106	0.1	—	N	A	1978
Sand River	Aiken, City of; Aiken County, Unincorporated Areas	Approximately 700 feet upstream of confluence of Sand River Tributary C	Approximately 190 feet downstream of South Boundary Avenue South West	03060106	0.4	—	Y	AE	2008
Sand River Tributary 1	Aiken County, Unincorporated Areas	Confluence with Sand River	At Dibble Road	03060106	0.6	—	Y	AE	1978
Sand River Tributary 1 Branch 1	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Sand River Tributary 1	At Railroad	03060106	0.2	—	Y	AE	1978
Sand River Tributary 1 Branch 1	Aiken, City of; Aiken County, Unincorporated Areas	At Railroad	Approximately 220 feet upstream of Rollingwood Road East	03060106	0.5	—	N	AH	1978
Sand River Tributary 2	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Sand River	Approximately 600 feet upstream of Houndslake Drive South West	03060106	1.9	—	Y	AE	1978
Sand River Tributary 2 Tributary 1	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Sand River Tributary 2	1.0 miles upstream of Whitney Drive Bridle Path	03060106	1.1	—	N	AE	2008
Sand River Tributary 2 Tributary V	Aiken, City of; Aiken County, Unincorporated Areas	Approximately 1,000 feet upstream of Northwood Drive	At Anderson Drive South West	03060106	0.3	—	Y	AE	1978

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Sand River Tributary 3	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Sand River Tributary 2	0.4 miles upstream of confluence with Sand River Tributary 2	03060106	0.4	—	Y	AE	1978
Sand River Tributary 3	Aiken County, Unincorporated Areas	0.4 miles upstream of confluence with Sand River Tributary 2	0.6 miles upstream of confluence with Sand River Tributary 2	03060106	0.2	—	N	A	1978
Sand River Tributary C	Aiken County, Unincorporated Areas	Confluence with Sand River	Approximately 900 feet upstream of confluence with Sand River	03060106	0.2	—	N	AE	1978
Sand River Tributary C	Aiken, City of; Aiken County, Unincorporated Areas	Approximately 900 feet upstream of confluence with Sand River	0.8 miles upstream of confluence with Sand River	03060106	0.6	—	Y	AE	1978
Sand River Tributary C1	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Sand River Tributary C	Approximately 1,100 feet upstream of confluence with Sand River Tributary C	03060106	0.2	—	Y	AE	1978
Savannah River	Aiken County, Unincorporated Areas	At Aiken, SC-Barnwell, SC-Burke, GA County / State Boundary	7.6 miles upstream of Aiken, SC-Barnwell, SC-Burke, GA County / State Boundary	03060106	7.6	—	N	A	2015

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Savannah River	Aiken County, Unincorporated Areas	7.6 miles upstream of Aiken, SC-Barnwell, SC-Burke, GA County / State Boundary	Approximately 1,500 feet downstream of Sand Bar Ferry Road	03060106	35.4	—	Y	AE	1994
Savannah River	North Augusta, City of; Aiken County, Unincorporated Areas	Approximately 1,500 feet downstream of Sand Bar Ferry Road	At Aiken, SC-Edgefield, SC-Richmond, GA County / State Boundary	03060106	9.6	—	Y	AE	2015
Shaws Creek	Aiken County, Unincorporated Areas	Confluence with South Fork Edisto River	At Aiken-Edgefield County Boundary	03050204	25.2	—	N	AE	2008
Shaws Creek Tributary 3	Aiken County, Unincorporated Areas	Confluence with Shaws Creek	0.5 miles upstream of confluence with Shaws Creek	03050204	0.5	—	N	AE	2008
South Fork Edisto River	Aiken County, Unincorporated Areas	At Aiken-Barnwell-Orangeburg County Boundary	At Aiken-Edgefield County Boundary	03050204	39.3	—	N	AE	2008
Tinker Creek	Aiken County, Unincorporated Areas	Confluence with Upper Three Runs Creek	At Aiken-Barnwell County Boundary	03060106	8.9	—	N	AE	2008
Town Creek	Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	At Silver Bluff Road	03060106	1.4	—	Y	AE	1978
Town Creek	Aiken County, Unincorporated Areas	At Silver Bluff Road	Approximately 550 feet upstream of confluence of Town Creek Tributary 1 (South)	03060106	0.6	—	N	AE	1978

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Town Creek	Aiken County, Unincorporated Areas	Approximately 550 feet upstream of confluence of Town Creek Tributary 1 (South)	At Williston Road	03060106	1.0	—	Y	AE	1978
Town Creek	Aiken County, Unincorporated Areas	At Williston Road	Approximately 750 feet upstream of confluence of Town Creek Tributary 1	03060106	1.3	—	N	AE	1978
Town Creek	Aiken County, Unincorporated Areas	Approximately 750 feet upstream of confluence of Town Creek Tributary 1	Approximately 100 feet upstream of Boyd Pond Road	03060106	2.6	—	Y	AE	1978
Town Creek	Aiken County, Unincorporated Areas	Approximately 100 feet upstream of Boyd Pond Road	Approximately 1,000 feet upstream of confluence of Unnamed Tributary 5 To Town Creek	03060106	0.4	—	N	AE	1978
Town Creek	Aiken County, Unincorporated Areas	Approximately 1,000 feet upstream of confluence of Unnamed Tributary 5 To Town Creek	Approximately 280 feet upstream of Richardsons Lake Road	03060106	4.0	—	Y	AE	1978
Town Creek	Aiken, City of; Aiken County, Unincorporated Areas	Approximately 280 feet upstream of Richardsons Lake Road	0.6 miles upstream of confluence of Unnamed Tributary 10 To Town Creek	03060106	1.1	—	N	AE	1978

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Town Creek	Aiken, City of; Aiken County, Unincorporated Areas	0.6 miles upstream of confluence of Unnamed Tributary 10 To Town Creek	0.8 miles upstream of confluence of Unnamed Tributary 10 To Town Creek	03060106	0.2	—	N	AE	2008
Town Creek Tributary 1	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 550 feet upstream of confluence with Town Creek	03060106	0.1	—	N	AE	1978
Town Creek Tributary 1	Aiken County, Unincorporated Areas	Approximately 550 feet upstream of confluence with Town Creek	1.1 miles upstream of confluence with Town Creek	03060106	1.0	—	Y	AE	1978
Town Creek Tributary 1 (South)	Aiken County, Unincorporated Areas	Confluence with Town Creek	0.6 miles upstream of confluence with Town Creek	03060106	0.6	—	N	AE	2008
Town Creek Tributary 2	Aiken County, Unincorporated Areas	Confluence with Town Creek	1.8 miles upstream of Bellingham Drive	03060106	2.3	—	Y	AE	1978
Town Creek Tributary 2.1	Aiken County, Unincorporated Areas	Confluence with Town Creek Tributary 2	Approximately 1,600 feet upstream of confluence with Town Creek Tributary 2	03060106	0.3	—	N	AE	2008
Town Creek Tributary 3	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 220 feet upstream of Storm Branch Road	03060106	0.5	—	Y	AE	1978

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Town Creek Tributary 3	Aiken County, Unincorporated Areas	Approximately 220 feet upstream of Storm Branch Road	Approximately 1,800 feet upstream of Storm Branch Road	03060106	0.3	—	N	AE	1978
Town Creek Tributary 3	Aiken County, Unincorporated Areas	Approximately 1,800 feet upstream of Storm Branch Road	Approximately 750 feet upstream of South Fork Bend	03060106	2.7	—	Y	AE	1978
Town Creek Tributary 3.1	Aiken County, Unincorporated Areas	Confluence with Town Creek Tributary 3	Approximately 1,300 feet upstream of confluence with Town Creek Tributary 3	03060106	0.2	—	N	AE	2008
Town Creek Tributary 3.3	Aiken County, Unincorporated Areas	Confluence with Town Creek Tributary 3	Approximately 1,550 feet upstream of confluence with Town Creek Tributary 3	03060106	0.3	—	N	AE	2008
Town Creek Tributary 3.4	Aiken County, Unincorporated Areas	Confluence with Town Creek Tributary 3	0.6 miles upstream of confluence with Town Creek Tributary 3	03060106	0.6	—	N	AE	2008
Town Creek Tributary 4	Aiken County, Unincorporated Areas	Confluence with Town Creek	0.5 miles upstream of Good Hope Farms Road	03060106	1.1	—	Y	AE	1978
Town Creek Tributary 5	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 650 feet upstream of Creekside Drive	03060106	0.8	—	Y	AE	2015
Town Creek Tributary 5.1	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 600 feet upstream of Boyd Pond Drive	03060106	0.3	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Town Creek Tributary 6	Aiken County, Unincorporated Areas	Confluence with Town Creek	1.1 miles upstream of confluence with Town Creek	03060106	1.1	—	Y	AE	1978
Town Creek Tributary 7	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 60 feet upstream of Estates Drive	03060106	04	—	Y	AE	1978
Town Creek Tributary 8	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 250 feet upstream of Lundee Drive	03060106	2.0	—	Y	AE	2008
Town Creek Tributary 9	Aiken County, Unincorporated Areas	Confluence with Town Creek Tributary 8	0.5 miles upstream of confluence with Town Creek Tributary 8	03060106	0.5	—	Y	AE	2008
Town Creek Tributary 11	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 950 feet upstream of confluence with Town Creek	03060106	0.2	—	N	AE	2008
Town Creek Tributary 12	Aiken County, Unincorporated Areas	Confluence with Town Creek	0.4 miles upstream of confluence with Town Creek	03060106	0.4	—	N	AE	2008
Town Creek Tributary 14	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 1,600 feet upstream of confluence with Town Creek	03060106	0.3	—	N	AE	2008
Town Creek Tributary 16	Aiken County, Unincorporated Areas	Confluence with Town Creek	0.6 miles upstream of Blue Roan Court	03060106	0.6	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Town Creek Tributary 18	Aiken County, Unincorporated Areas	Confluence with Town Creek	0.6 miles upstream of Chestnut Brown Court	03060106	0.6	—	N	AE	2008
Tributary C To Savannah River	North Augusta, City of; Aiken County, Unincorporated Areas	Confluence with Savannah River	At Crossland Avenue	03060106	3.0	—	Y	AE	1977
Tributary C To Savannah River	North Augusta, City of; Aiken County, Unincorporated Areas	At Crossland Avenue	Approximately 370 feet upstream of Crossland Avenue	03060106	0.1	—	N	A	1994
Unknown Tributary To Town Creek Tributary 8	Aiken County, Unincorporated Areas	Confluence with Town Creek Tributary 8	0.4 miles upstream of confluence with Town Creek Tributary 8	03060106	0.4	—	N	AE	2008
Unnamed Tributary 1 to Cedar Creek West	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West	Approximately 1,400 feet upstream of Cedar Meadows Road	03060106	0.4	—	N	AE	2008
Unnamed Tributary 2 to Cedar Creek West	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West	Approximately 1,250 feet upstream of Banks Mill Road South East	03060106	0.4	—	N	AE	2008
Unnamed Tributary 1 To Hollow Creek West	Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 1,100 feet upstream of confluence with Hollow Creek West	03060106	0.2	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Unnamed Tributary 2 To Hollow Creek West	Aiken County, Unincorporated Areas	Confluence with Hollow Creek West	Approximately 1,250 feet upstream of confluence with Hollow Creek West	03060106	0.2	—	N	AE	2008
Unnamed Tributary 1 To Little Horse Creek	Aiken County, Unincorporated Areas	Confluence with Little Horse Creek	0.4 miles upstream of confluence with Little Horse Creek	03060106	0.4	—	N	AE	2008
Unnamed Tributary 1 To Town Creek	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 1,600 feet upstream of confluence with Town Creek	03060106	0.3	—	N	AE	2008
Unnamed Tributary 2 To Town Creek	Aiken County, Unincorporated Areas	Confluence with Town Creek	0.4 miles upstream of confluence with Town Creek	03060106	0.4	—	N	AE	2008
Unnamed Tributary 3 To Town Creek	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 1,600 feet upstream of confluence with Town Creek	03060106	0.3	—	N	AE	2008
Unnamed Tributary 4 To Town Creek	Aiken County, Unincorporated Areas	Confluence with Town Creek	0.4 miles upstream of confluence with Town Creek	03060106	0.4	—	N	AE	2008
Unnamed Tributary 5 To Town Creek	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 1,550 feet upstream of confluence with Town Creek	03060106	0.3	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Unnamed Tributary 6 To Town Creek	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 900 feet upstream of Farmstead Drive	03060106	0.3	—	N	AE	2008
Unnamed Tributary 7 To Town Creek	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 950 feet upstream of Farmstead Drive	03060106	0.3	—	N	AE	2008
Unnamed Tributary 8 To Town Creek	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 260 feet upstream of Access Road	03060106	0.2	—	N	AE	2008
Unnamed Tributary 9 To Town Creek	Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 500 feet upstream of Estates Drive	03060106	0.4	—	N	AE	2008
Unnamed Tributary 10 To Town Creek	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Town Creek	Approximately 1,350 feet upstream of confluence with Town Creek	03060106	0.3	—	N	AE	2008
Upper Horse Creek	Aiken County, Unincorporated Areas	Confluence with Little Horse Creek	Approximately 1,500 feet upstream of confluence with Little Horse Creek	03060106	0.3	—	N	AE	2008
Upper Three Runs Creek	Aiken County, Unincorporated Areas	Confluence with Savannah River	Approximately 750 feet downstream of Unnamed Road	03060106	13.8	—	N	A	2015
Upper Three Runs Creek	Aiken County, Unincorporated Areas	Approximately 750 feet downstream of Unnamed Road	Approximately 850 feet downstream of Old Barnwell Road	03060106	14.3	—	N	AE	2008

Table 2: Flooding Sources Included in this FIS Report, continued

Flooding Source	Community	Downstream Limit	Upstream Limit	HUC-8 Sub-Basin(s)	Length (mi) (streams or coastlines)	Area (mi^2) (estuaries or ponding)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Upper Three Runs Creek Tributary 8	Aiken County, Unincorporated Areas	Confluence with Upper Three Runs Creek	Approximately 1,650 feet upstream of confluence with Upper Three Runs Creek	03060106	0.3	—	N	AE	2008
Upper Three Runs Creek Tributary 9	Aiken County, Unincorporated Areas	Confluence with Upper Three Runs Creek	0.5 miles upstream of confluence with Upper Three Runs Creek	03060106	0.5	—	N	AE	2008
Wise Hollow	Aiken County, Unincorporated Areas	Confluence with Cedar Creek West	Approximately 1,300 feet upstream of Wedgewood Drive	03060106	3.8	—	Y	AE	2008
Wise Hollow Tributary 1	Aiken, City of; Aiken County, Unincorporated Areas	Confluence with Wise Hollow	Approximately 210 feet upstream of East Pine Log Road	03060106	2.5	—	Y	AE	2008
Womrath Creek	North Augusta, City of; Aiken County, Unincorporated Areas	Confluence with Horse Creek	Approximately 120 feet upstream of Old Aiken Road	03060106	3.4	—	N	AE	2008

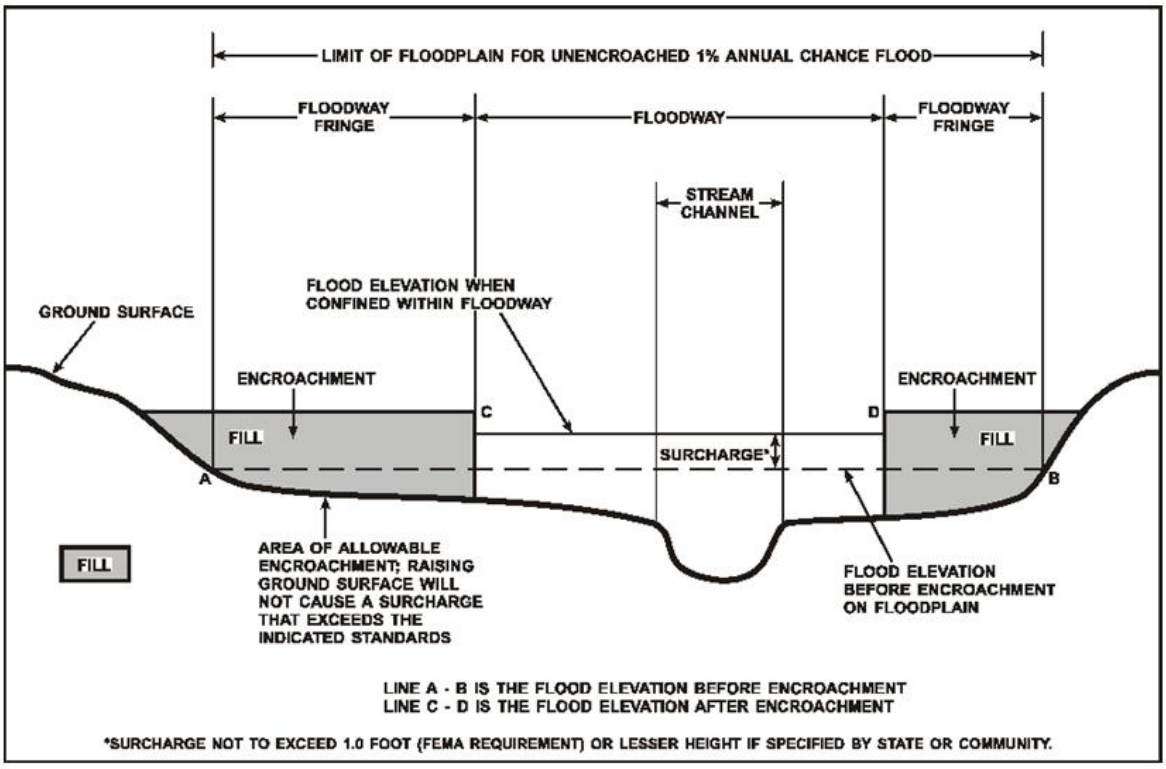
2.2 Floodways

Encroachment on floodplains, such as structures and fill, reduces flood-carrying capacity, increases flood heights and velocities, and increases flood hazards in areas beyond the encroachment itself. One aspect of floodplain management involves balancing the economic gain from floodplain development against the resulting increase in flood hazard.

For purposes of the NFIP, a floodway is used as a tool to assist local communities in balancing floodplain development against increasing flood hazard. With this approach, the area of the 1% annual chance floodplain on a river is divided into a floodway and a floodway fringe based on hydraulic modeling. The floodway is the channel of a stream, plus any adjacent floodplain areas, that must be kept free of encroachment in order to carry the 1% annual chance flood. The floodway fringe is the area between the floodway and the 1% annual chance floodplain boundaries where encroachment is permitted. The floodway must be wide enough so that the floodway fringe could be completely obstructed without increasing the water surface elevation of the 1% annual chance flood more than 1 foot at any point. Typical relationships between the floodway and the floodway fringe and their significance to floodplain development are shown in Figure 4.

To participate in the NFIP, Federal regulations require communities to limit increases caused by encroachment to 1.0 foot, provided that hazardous velocities are not produced. Regulations for South Carolina require communities in Aiken County to limit increases caused by encroachment to 1.0 foot and several communities have adopted additional restrictions. The floodways in this project are presented to local agencies as minimum standards that can be adopted directly or that can be used as a basis for additional floodway projects.

Figure 4: Floodway Schematic



Floodway widths presented in this FIS Report and on the FIRM were computed at cross sections. Between cross sections, the floodway boundaries were interpolated. For certain stream segments, floodways were adjusted so that the amount of floodwaters conveyed on each side of the floodplain would be reduced equally. The results of the floodway computations have been tabulated for selected cross sections and are shown in Table 24, "Floodway Data."

All floodways that were developed for this Flood Risk Project are shown on the FIRM using the symbology described in Figure 3. In cases where the floodway and l% annual chance floodplain boundaries are either close together or collinear, only the floodway boundary has been shown on the FIRM. For information about the delineation of floodways on the FIRM, refer to Section 6.3.

2.3 Base Flood Elevations

The hydraulic characteristics of flooding sources were analyzed to provide estimates of the elevations of floods of the selected recurrence intervals. The Base Flood Elevation (BFE) is the elevation of the 1% annual chance flood. These BFEs are most commonly rounded to the whole foot, as shown on the FIRM, but in certain circumstances or locations they may be rounded to 0.1 foot. Cross section lines shown on the FIRM may also be labeled with the BFE rounded to 0.1 foot. Whole-foot BFEs derived from engineering analyses that apply to coastal areas, areas of ponding, or other static areas with little elevation change may also be shown at selected intervals on the FIRM.

Cross sections with BFEs shown on the FIRM correspond to the cross sections shown in the Floodway Data table and Flood Profiles in this FIS Report. BFEs are primarily intended for flood insurance rating purposes. For construction and/or floodplain management purposes, users are cautioned to use the flood elevation data presented in this FIS Report in conjunction with the data shown on the FIRM.

2.4 Non-Encroachment Zones

Some States and communities use non-encroachment zones to manage floodplain development. For flooding sources with medium flood risk, field surveys are often not collected and surveyed bridge and culvert geometry is not developed. Standard hydrologic and hydraulic analyses are still performed to determine BFEs in these areas. However, floodways are not typically determined, since specific channel profiles are not developed. To assist communities with managing floodplain development in these areas, a "non-encroachment zone" may be provided. While not a FEMA designated floodway, the non-encroachment zone represents that area around the stream that should be reserved to convey the 1% annual chance flood event. As with a floodway, all surcharges must fall within the acceptable range in the non-encroachment zone.

General setbacks can be used in areas of lower risk (e.g. unnumbered Zone A), but these are not considered sufficient where unnumbered Zone A is replaced by Zone AE. The NFIP requires communities to ensure that any development in a non-encroachment area causes no increase in BFEs. Communities must generally prohibit development within the area defined by the non-encroachment width to meet the NFIP requirement. Regulations for South Carolina require communities in Aiken County to limit increases caused by encroachment to 1.0 foot and several communities have adopted additional restrictions for non-encroachment areas.

Non-encroachment determinations may be delineated where it is not possible to delineate

floodways because specific channel profiles with bridge and culvert geometry were not developed. Any non-encroachment determinations for this Flood Risk Project have been tabulated for selected cross sections and are shown in Table 25, "Flood Hazard and Non-Encroachment Data for Selected Streams." Areas for which non-encroachment zones are provided show BFEs and the 1% annual chance floodplain boundaries mapped as zone AE on the FIRM but no floodways.

2.5 Coastal Flood Hazard Areas

This section is not applicable to this Flood Risk Project.

2.5.1 Water Elevations and the Effects of Waves

This section is not applicable to this Flood Risk Project.

Figure 5: Wave Runup Transect Schematic

[Not Applicable to this Flood Risk Project]

2.5.2 Floodplain Boundaries and BFEs for Coastal Areas

This section is not applicable to this Flood Risk Project.

2.5.3 Coastal High Hazard Areas

This section is not applicable to this Flood Risk Project.

Figure 6: Coastal Transect Schematic

[Not Applicable to this Flood Risk Project]

2.5.4 Limit of Moderate Wave Action

This section is not applicable to this Flood Risk Project.

SECTION 3.0 – INSURANCE APPLICATIONS

3.1 National Flood Insurance Program Insurance Zones

For flood insurance applications, the FIRM designates flood insurance rate zones as described in Figure 3, "Map Legend for FIRM." Flood insurance zone designations are assigned to flooding sources based on the results of the hydraulic or coastal analyses. Insurance agents use the zones shown on the FIRM and depths and base flood elevations in this FIS Report in conjunction with information on structures and their contents to assign premium rates for flood insurance policies.

The 1% annual chance floodplain boundary corresponds to the boundary of the areas of special flood hazards (e.g. Zones A, AE, V, VE, etc.), and the 0.2% annual chance floodplain boundary corresponds to the boundary of areas of additional flood hazards.

Table 3 lists the flood insurance zones in Aiken County.

Table 3: Flood Zone Designations by Community

Community	Flood Zone(s)
Aiken, City of	A, AE, AH, X
Aiken County, Unincorporated Areas	A, AE, AH, D, X
Burnettown, Town of	AE, X
Jackson, City of	A, X
Monetta, Town of	X
New Ellenton, City of	AE, X
North Augusta, City of	A, AE, X
Perry, Town of	X
Salley, Town of	X
Wagener, Town of	X
Windsor, Town of	X

3.2 Coastal Barrier Resources System

This section is not applicable to this Flood Risk Project.

Table 4: Coastal Barrier Resources System Information

[Not Applicable to this Flood Risk Project]

SECTION 4.0 – AREA STUDIED

4.1 Basin Description

Table 5 contains a description of the characteristics of the HUC-8 sub-basins within which each community falls. The table includes the main flooding sources within each basin, a brief description of the basin, and its drainage area.

Table 5: Basin Characteristics

HUC-8 Sub-Basin Name	HUC-8 Sub-Basin Number	Primary Flooding Source	Description of Affected Area	Drainage Area (square miles)
Saluda	03050109	Saluda River	Very minor portion at northernmost tip of Aiken County	2,533
North Fork Edisto	03050203	North Fork Edisto River	Largest watershed within Aiken County covering the area from the northwesten to south along a northwest to southeast divide through the central region	764
South Fork Edisto	03050204	South Fork Edisto River	Encompasses the region from the north across to the southeast of Aiken County along a northwest to southeast divide through the central region	872
Salkehatchie	03050204	Salkehatchie River	Small insignificant portion along southeast county boundary with Barnwell County.	1,903
Middle Savannah	03060106	Savannah River	Contains an area localized along the full extent of the northeastern county boundary	1,846
Stevens	03060107	Stevens Creek	Small insignificant portion along northwest county boundary with Edgefield County.	740

4.2 Principal Flood Problems

Table 6 contains a description of the principal flood problems that have been noted for Aiken County by flooding source.

Table 6: Principal Flood Problems

Flooding Source	Description of Flood Problems
All sources	Man-made obstructions or structures (bridges, culverts, buildings, etc.) inhibit flow as well as natural organics (trees, brush and associated debris).
All sources	Large floods have occurred in various watersheds in the unincorporated areas of the county. Streams in the Aiken Plateau region can rise from normal to extreme flood peaks in short periods of time. These flood stages are accompanied by high stream velocities because of the steep stream gradients.

Table 6: Principal Flood Problems, continued

Flooding Source	Description of Flood Problems
All sources	Major floods on small streams in Aiken County occur as a result of tropical storms (hurricanes) or local thunderstorms. Large storms, which produce severe flooding in Aiken County, usually occur during the winter or spring. These storms are usually of the frontal type, lasting two to four days and covering large areas. The summer storms generally consist of thunderstorms, which have high rainfall intensities and area scattered over small areas. In addition, the study area is vulnerable to hurricane and tropical storm activities. These storms usually occur from August through October and have produced some of the most severe floods in Aiken County.
All sources	A notable storm occurring 26-27 September 1929, coming in the direction of Alabama from the west, had an estimated precipitation of eight inches in Aiken County. A notable tropical storm of record occurred soon after the above mentioned one, moving up from the south, had an estimated precipitation of seven inches in Aiken County, after having made landfall near Pensacola, Florida, on 30 September 1929. The two close storm events caused flooding in Aiken County with a registered reading of 46.3 feet at Savannah River Jefferson Davis Bridge, at Augusta, GA (USGS 02196670*). This reading represented a peak flow of 350,000 cubic feet per second (cfs). This value corresponds to a regulated peak flow, including the impacts of the Hartwell, J. Strom Thurmond (formerly Clarks Hill), and Richard B. Russell Reservoirs, of 252,000 cfs. * (This gage is often referred to as the Fifth Street gage since it is on the Fifth Street Bridge crossing the Savannah River.)
Savannah River	With the Hartwell, J. Strom Thurmond, and Richard B. Russell Reservoirs in place, the 1-percent-annual-chance regulated peak flow is computed to be 138,000 cfs at Savannah River at Augusta, GA (USGS 02197000*), which corresponds to a 1-percent-annual-chance unregulated peak flow of 277,000 cfs. * (This gage is often referred to as the Butler Creek gage since it is near the confluence of Butler Creek.)

Table 7 contains information about historic flood elevations in the communities within Aiken County.

Table 7: Historic Flooding Elevations

Flooding Source	Location	Historic Peak (Feet NAVD88)	Event Date	Approximate Recurrence Interval (years)	Source of Data
Savannah River	USGS Gage 02196670 Savannah River Jefferson Davis Bridge, at Augusta, GA	350,000 cfs; 46.3 feet (stage)	10/01/1929	N/A	USGS National Water Information System (NWIS)

4.3 Non-Levee Flood Protection Measures

Table 8 contains information about non-levee flood protection measures within Aiken County such as dams, jetties, and or dikes. Levees are addressed in Section 4.4 of this FIS Report.

Table 8: Non-Levee Flood Protection Measures

Flooding Source	Structure Name	Type of Measure	Location	Description of Measure
Savannah River	Hartwell Dam (Hartwell Lake)	Hydroelectric Dam	On South Carolina -Georgia State Boundary near U.S. Highway 29	Main purposes include flood alleviation as well as electric power production
Savannah River	Richard B. Russell Dam (Richard B. Russell Lake)	Hydroelectric Dam	On South Carolina -Georgia State Boundary near Bobby Brown State Park Road near Town of Calhoun Falls, SC	Mainly for purposes of electric power production and recreation, but also intended for flood control and stream-flow regulation
Savannah River	J. Strom Thurmond Dam (J. Strom Thurmond Lake)	Hydroelectric Dam	On South Carolina -Georgia State Boundary on J. Strom Thurmond Highway near Augusta, GA	Main purposes include flood alleviation as well as electric power production

4.4 Levees

This section is not applicable to this Flood Risk Project.

Table 9: Levees

[Not Applicable to this Flood Risk Project]

SECTION 5.0 – ENGINEERING METHODS

For the flooding sources in the community, standard hydrologic and hydraulic study methods were used to determine the flood hazard data required for this study. Flood events of a magnitude that are expected to be equaled or exceeded at least once on the average during any 10-, 25-, 50-, 100-, or 500-year period (recurrence interval) have been selected as having special significance for floodplain management and for flood insurance rates. These events, commonly termed the 10-, 25-, 50-, 100-, and 500-year floods, have a 10-, 4-, 2-, 1-, and 0.2% annual chance, respectively, of being equaled or exceeded during any year.

Although the recurrence interval represents the long-term, average period between floods of a specific magnitude, rare floods could occur at short intervals or even within the same year. The risk of experiencing a rare flood increases when periods greater than 1 year are considered. For example, the risk of having a flood that equals or exceeds the 100-year flood (1-percent chance of annual exceedance) during the term of a 30-year mortgage is approximately 26 percent (about 3 in 10); for any 90-year period, the risk increases to approximately 60 percent (6 in 10). The analyses reported herein reflect flooding potentials based on conditions existing in the community at the time of completion of this study. Maps and flood elevations will be amended periodically to reflect future changes.

The engineering analyses described here incorporate the results of previously issued Letters of Map Change (LOMCs) listed in Table 27, "Incorporated Letters of Map Change", which include Letters of Map Revision (LOMRs). For more information about LOMRs, refer to Section 6.5, "FIRM Revisions."

5.1 Hydrologic Analyses

Hydrologic analyses were carried out to establish the peak elevation-frequency relationships for floods of the selected recurrence intervals for each flooding source studied. Hydrologic analyses are typically performed at the watershed level. Depending on factors such as watershed size and shape, land use and urbanization, and natural or man-made storage, various models or methodologies may be applied. A summary of the hydrologic methods applied to develop the discharges used in the hydraulic analyses for each stream is provided in Table 13. Greater detail (including assumptions, analysis, and results) is available in the archived project documentation.

A summary of the discharges is provided in Table 10. Frequency Discharge-Drainage Area Curves used to develop the hydrologic models may also be shown in Figure 7 for selected flooding sources. A summary of stillwater elevations developed for non-coastal flooding sources is provided in Table 11. (Coastal stillwater elevations are discussed in Section 5.3 and shown in Table 17.) Stream gage information is provided in Table 12.

Table 10: Summary of Discharges

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Bridge Creek South	At mouth	12.9	1,670	*	3,322	4,072	13,676
Bridge Creek South	Just downstream of confluence of Bridge Creek Tributary 1	9.2	1,885	*	3,229	3,829	11,875
Bridge Creek South	Vaucluse Road	5.7	1,341	*	2,223	2,654	8,231
Bridge Creek Tributary 1	At mouth	0.8	33	*	48	56	74
Bridge Creek Tributary 2	At mouth	2.2	75	*	110	127	170
Bridge Creek Tributary 3	At mouth	0.36	159	*	259	307	914
Cedar Creek West[1]	At mouth	34.9	210	*	281	314	395
Cedar Creek West Tributary 1[1]	At mouth	0.6	*	*	*	354	*
Cedar Creek West Tributary 2[1]	At mouth	1.5	345	*	557	656	907
Cedar Creek West Tributary 3[1]	At mouth	3.6	597	*	951	1,116	1,527
Cedar Creek West Tributary 3.2[1]	At mouth	0.9	250	*	407	481	668
Fox Creek	At mouth	14.7	2,559	*	4,030	4,749	13,888
Hollow Creek West	At mouth	111.4	5,530	*	8,338	9,616	12,670
Hollow Creek West	At State Highway 125	86.6	4,698	*	7,112	8,212	10,850
Hollow Creek West	At U.S. Highway 278	39.7	2,837	*	4,349	5,041	6,718

Table 10: Summary of Discharges, continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Hollow Creek West Tributary 10	At mouth	1.2	293	*	475	561	777
Hollow Creek West Tributary 11	At mouth	2.7	496	*	794	932	1,280
Hollow Creek West Tributary 12	At mouth	0.2	104	*	173	206	290
Hollow Creek West Tributary 12A	At mouth	1.7	364	*	587	691	953
Hollow Creek West Tributary 13	At mouth	0.4	133	*	220	261	366
Hollow Creek West Tributary 15	At mouth	1.3	310	*	503	593	820
Horse Creek	At mouth	161.6	5,833	*	12,146	16,796	62,931
Horse Creek	At U.S. Highway 278	154.7	5,785	*	11,097	16,770	62,564
Horse Creek	Just upstream of confluence of Sand River	63.2	2,844	*	6,286	8,531	36,823
Horse Creek	Just upstream of confluence of Sage Mill Branch	39.4	2,306	*	4,696	6,608	23,302
Little Horse Creek	At mouth	46.1	3,847	*	6,603	7,917	25,847
Little Horse Creek	Just downstream of confluence of Franklin Branch	35.5	1,347	*	2,237	2,670	8,269
Little Horse Creek	At Interstate-20	10.7	740	*	1,169	1,374	3,945
Long Branch South	At mouth	4.3	1,087	*	1,619	1,868	4,912
Long Branch South	At Pine Log Road	3.0	985	*	1,461	1,683	4,344
Mims Branch	At mouth	2.5	469	*	752	884	1,214

Table 10: Summary of Discharges, continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
No Name Creek To Dead River	At mouth	4.0	1,167	*	1,861	2,177	6,338
No Name Creek To Dead River	At U.S. Highway 278	3.2	1,183	*	1,835	2,145	6,044
No Name Creek To Dead River	Just upstream of confluence of No Name Creek Tributary To Savannah River	1.1	687	*	1,034	1,196	3,132
No Name Creek Tributary To Dead River	At mouth	2.3	989	*	1,537	1,781	4,709
No Name Creek Tributary To Dead River	At State Highway 28	1.5	842	*	1,236	1,419	3,645
No Name Creek Tributary To Dead River	At U.S. Highway 278	0.4	234	*	351	405	1,053
No Name Creek Tributary To Savannah River	At mouth	0.3	176	*	264	307	820
Pole Branch	At mouth	7.2	1,333	*	2,074	2,446	7,121
Pole Branch Tributary 1	At mouth	0.5	245	*	376	438	1,189
Pole Branch Tributary 2	At mouth	0.2	192	*	270	306	718
Pole Branch Tributary 3	At mouth	1.0	312	*	509	605	1,816
Pole Branch Tributary 4	At mouth	0.2	168	*	240	272	647

Table 10: Summary of Discharges, continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Redds Branch	At mouth	11.5	*	*	*	2,320	*
Sage Mill Branch	At mouth	4.0	114	*	170	195	262
Sand River	At mouth	16.5	2,859	*	4,725	5,558	16,435
Sand River	At State Highway 421	14.2	2,950	*	4,673	5,497	16,017
Sand River Tributary 1	At mouth	2.4	861	*	1,286	1,484	3,897
Sand River Tributary 1 Branch 1	At mouth	1.4	520	*	735	835	1,025
Sand River Tributary 2	At mouth	3.5	867	*	1,420	1,690	5,181
Sand River Tributary 2 Tributary V	At mouth	0.5	300	*	430	490	600
Sand River Tributary 3	At mouth	3.5	867	*	1,420	1,690	5,181
Sand River Tributary C	At mouth	0.5	300	*	430	490	600
Sand River Tributary C1	At mouth	0.5	300	*	430	490	600
Savannah River	At USGS Gage Station No. 02197000	7,508	59,800	*	103,000	138,000	262,000
Savannah River	Approximately 1,490 feet downstream of State Highway 28 / Sand Bar Ferry Road	7,367	58,658	79,944	101,033	135,365	256,997

Table 10: Summary of Discharges, continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Savannah River	Approximately 500 feet downstream of Interstate-520 / Palmetto Parkway	7,150	56,933	77,593	98,063	131,385	249,441
Town Creek	At mouth	38.1	*	*	*	4,915	*
Town Creek	At Boyd Pond Road	17.4	*	*	*	3,003	*
Town Creek Tributary 1	At mouth	1.0	227	*	379	454	1,414
Town Creek Tributary 2	At mouth	2.7	589	*	943	1,114	3,280
Town Creek Tributary 3	At mouth	4.1	927	*	1,532	1,820	5,404
Town Creek Tributary 4	At mouth	0.9	309	*	493	583	1,704
Town Creek Tributary 5	At confluence with Town Creek	0.41	20	88	211	344	645
Town Creek Tributary 5	Approximately 0.6 miles downstream of Creekside Drive	0.40	19	87	213	344	646
Town Creek Tributary 5	Approximately 0.4 miles downstream of Creekside Drive	0.39	212	307	394	493	774
Town Creek Tributary 5	Just downstream of Creekside Drive	0.21	143	204	259	322	500
Town Creek Tributary 6	At mouth	1.5	156	*	237	278	944
Town Creek Tributary 7	At mouth	0.5	163	*	265	315	946

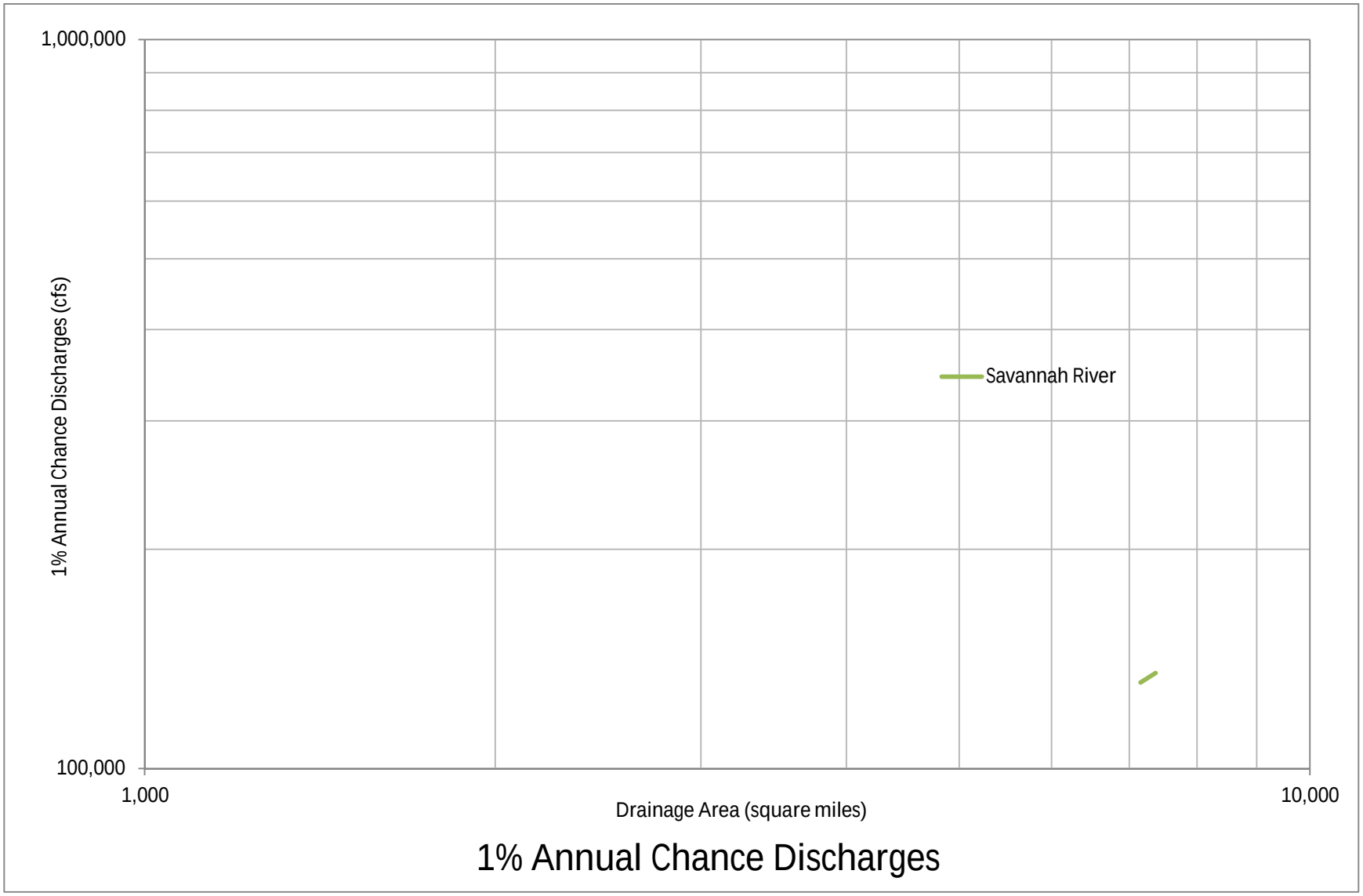
Table 10: Summary of Discharges, continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Town Creek Tributary 8	At mouth	2.7	493	*	790	928	1,274
Town Creek Tributary 9	At mouth	0.7	198	*	325	384	536
Tributary C to Savannah River	At mouth	2.8	1,258	*	1,867	2,148	2,849
Tributary C to Savannah River	Upstream of Southern Railroad	1.4	814	*	1,213	1,403	1,832
Wise Hollow[1]	At mouth	13.5	1,409	*	2,197	2,561	3,453
Wise Hollow Tributary 1[1]	At mouth	5.5	785	*	1,242	1,454	1,980

* Not calculated for this Flood Risk Project

[1] Regional regression equations do not apply in the Upper Three Runs Creek Basin. Flow estimates in the main steam and tributaries scaled from USGS gage data based on watershed area

Figure 7: Frequency Discharge-Drainage Area Curves



* Town Creek Tributary 5 was not shown due to significant decrease in 1% Annual Chance discharges compared to Savannah River; thus change in graph scale resulted in difficulty viewing both stream discharges simultaneously.

Table 11: Summary of Non-Coastal Stillwater Elevations

[Not Applicable to this Flood Risk Project]

Table 12: Stream Gage Information used to Determine Discharges

Flooding Source	Gage Identifier	Agency that Maintains Gage	Site Name	Drainage Area (Square Miles)	Period of Record	
					From	To
Savannah River	02197000	USGS	Savannah River at Augusta, GA	7,510	1896	1950
Upper Three Runs Creek	02197300	USGS	Upper Three Runs near New Ellenton, SC	87	08/24/1967	09/30/2002
Upper Three Runs Creek	02197310	USGS	Upper Three Runs above Road C at Savannah River Plant, SC	176	07/16/1975	09/30/2002

5.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of flooding from the sources studied were carried out to provide estimates of the elevations of floods of the selected recurrence intervals. Base flood elevations on the FIRM represent the elevations shown on the Flood Profiles and in the Floodway Data tables in the FIS Report. Rounded whole-foot elevations may be shown on the FIRM in coastal areas, areas of ponding, and other areas with static base flood elevations. These whole-foot elevations may not exactly reflect the elevations derived from the hydraulic analyses. Flood elevations shown on the FIRM are primarily intended for flood insurance rating purposes. For construction and/or floodplain management purposes, users are cautioned to use the flood elevation data presented in this FIS Report in conjunction with the data shown on the FIRM. The hydraulic analyses for this FIS were based on unobstructed flow. The flood elevations shown on the profiles are thus considered valid only if hydraulic structures remain unobstructed, operate properly, and do not fail.

For streams for which hydraulic analyses were based on cross sections, locations of selected cross sections are shown on the Flood Profiles (Exhibit 1). For stream segments for which a floodway was computed (Section 6.3), selected cross sections are also listed on Table 24, “Floodway Data.”

A summary of the methods used in hydraulic analyses performed for this project is provided in Table 13. Roughness coefficients are provided in Table 14. Roughness coefficients are values representing the frictional resistance water experiences when passing overland or through a channel. They are used in the calculations to determine water surface elevations. Greater detail (including assumptions, analysis, and results) is available in the archived project documentation.

Table 13: Summary of Hydrologic and Hydraulic Analyses

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Abrams Branch	Confluence with Dean Creek	Approximately 220 feet downstream of Millers Pond Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Beaverdam Branch	Confluence with South Fork Edisto River	Approximately 230 feet downstream of Snipes Pond Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Beaverdam Creek	Confluence with Shaws Creek	Approximately 550 feet upstream of Archie Ware Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Boggy Gut	Confluence with Upper Three Runs Creek	1.5 miles upstream of Boggy Gut Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Bradley Mill Branch	Confluence with Shaws Creek	1.0 miles upstream of Bradley Mill Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Bridge Creek North	Confluence with South Fork Edisto River	0.6 miles upstream of Columbia Highway North	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Bridge Creek South	Confluence with Horse Creek	0.6 miles upstream of Railroad	HEC-1	HEC-2	02/01/1978	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Bridge Creek South	0.6 miles upstream of Railroad	Approximately 1,300 feet upstream of Vancluse Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Bridge Creek South	Approximately 1,300 feet upstream of Vancluse Road	0.6 miles upstream of Vancluse Road	HEC-1	HEC-2	02/01/1978	AE	
Bridge Creek South	0.6 miles upstream of Vancluse Road	0.9 miles upstream of Vancluse Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Bridge Creek South	0.9 miles upstream of Vancluse Road	0.4 miles downstream of Mayfield Road	HEC-1	HEC-2	02/01/1978	AE	
Bridge Creek South	0.4 miles downstream of Mayfield Road	Approximately 900 feet downstream of Mayfield Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Bridge Creek South	Approximately 900 feet downstream of Mayfield Road	Approximately 800 feet upstream of Mayfield Road	HEC-1	HEC-2	02/01/1978	AE	
Bridge Creek South	Approximately 800 feet upstream of Mayfield Road	0.5 miles upstream of Mayfield Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Bridge Creek South Tributary 1	Confluence with Bridge Creek South	0.6 miles upstream of University Parkway	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Bridge Creek South Tributary 2	Confluence with Bridge Creek South	Approximately 950 feet upstream of Lincoln Avenue	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Bridge Creek South Tributary 3	Confluence with Bridge Creek South	Approximately 30 feet upstream of Mayfield Road	HEC-1	HEC-2	02/01/1978	AE	
Bridge Creek South Tributary 3	Approximately 30 feet upstream of Mayfield Road	Approximately 1,400 feet upstream of Mayfield Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Brogdon Branch	Confluence with Shaws Creek	Immediately downstream of Interstate-20	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Bulls Branch	Confluence with South Fork Edisto River	0.4 miles upstream of confluence with South Fork Edisto River	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Burcalo Creek	Confluence with South Fork Edisto River	1.0 miles upstream of confluence with South Fork Edisto River	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Cedar Creek	Confluence with South Fork Edisto River	1.0 miles upstream of Upper Pond Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Cedar Creek West	Confluence with Upper Three Runs Creek	Approximately 420 feet upstream of confluence of Cedar Creek West Tributary 1	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Cedar Creek West	Approximately 420 feet upstream of confluence of Cedar Creek West Tributary 1	1.2 miles upstream of confluence of Wise Hollow	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Cedar Creek West Tributary 1	Confluence with Cedar Creek West	0.5 miles upstream of confluence with Cedar Creek West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Cedar Creek West Tributary 2	Confluence with Cedar Creek West	Approximately 700 feet upstream of Paddock Club Parkway	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Cedar Creek West Tributary 3	Confluence with Cedar Creek West	0.5 miles upstream of Gamboa Place	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Cedar Creek West Tributary 3.2	Confluence with Cedar Creek West Tributary 3	0.4 miles upstream of Club Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Cedar Creek West Tributary 4	Confluence with Cedar Creek West	Approximately 950 feet upstream of Belle Mead Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Cedar Creek West Tributary 5	Confluence with Cedar Creek West	Approximately 70 feet upstream of Waterbridge Lane	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Cedar Creek West Tributary 6	Confluence with Cedar Creek West	0.4 miles upstream of Talatha Church Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Cedar Creek West Tributary 7	Confluence with Cedar Creek West	Approximately 330 feet upstream of Pintail Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Chavous Creek	Confluence with Shaws Creek	0.8 miles upstream of Mill Spring Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Chinquapin Creek	Confluence with North Fork Edisto River	Approximately 700 feet upstream of Cocklebur Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Chinquapin Creek	Approximately 700 feet upstream of Cocklebur Road	At Aiken-Lexington County Boundary	2001 Urban / 2006 Rural South Carolina Regression Equations	HEC-RAS 4.1.0	04/01/2013	A	
Clearwater Branch	Confluence with Shaws Creek	0.4 miles upstream of confluence with Shaws Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Dairy Branch	Confluence with Shaws Creek	0.8 miles upstream of confluence with Shaws Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Dairy Branch Tributary 1	Confluence with Dairy Branch	Approximately 1,300 feet upstream of confluence with Dairy Branch	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Dean Creek	At Aiken-Orangeburg County Boundary	0.9 miles upstream of Wagener Trail Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Dry Branch	Confluence with Hollow Creek West	Approximately 950 feet upstream of Dry Branch Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Dry Branch Tributary 1	Confluence with Dry Branch	Approximately 370 feet upstream of Gray Mare Hollow Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Dry Branch Tributary 2	Confluence with Dry Branch	0.4 miles upstream of confluence with Dry Branch	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Dry Branch Tributary 3	Confluence with Dry Branch	Approximately 1,200 feet upstream of Ann Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Fox Creek	Confluence with Savannah River	At W. Martintown Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Franklin Branch	Confluence with Little Horse Creek	1.7 miles upstream of confluence with Little Horse Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Gopher Branch	Confluence with Horse Creek	Approximately 700 feet upstream of confluence with Horse Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Gully Creek	Confluence with McTier Creek	Approximately 1,300 feet upstream of Uncle Duck Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Hall Branch	Confluence with Shaws Creek	Approximately 950 feet upstream of confluence with Shaws Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Hightower Creek	Confluence with Little Horse Creek	Approximately 1,500 feet upstream of confluence with Little Horse Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Hollow Creek East	Confluence with North Fork Edisto River	0.4 miles upstream of Brim Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Hollow Creek West	Confluence with Savannah River	Approximately 110 feet downstream of Woodfield Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Hollow Creek West	Approximately 110 feet downstream of Woodfield Road	Approximately 1,100 feet upstream of Anderson Pond Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Hollow Creek West	Approximately 1,100 feet upstream of Anderson Pond Road	Approximately 1,000 feet upstream of Woodside Plantation Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Hollow Creek West Tributary 3	Confluence with Hollow Creek West	Approximately 270 feet upstream of Chavous Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Hollow Creek West Tributary 4	Confluence with Hollow Creek West	Approximately 850 feet upstream of Woodfield Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Hollow Creek West Tributary 6	Confluence with Hollow Creek West	Approximately 1,000 feet upstream of confluence with Hollow Creek West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Hollow Creek West Tributary 7	Confluence with Hollow Creek West	Approximately 1,300 feet upstream of confluence with Hollow Creek West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Hollow Creek West Tributary 8	Confluence with Hollow Creek West	Approximately 1,800 feet upstream of confluence with Hollow Creek West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Hollow Creek West Tributary 9	Confluence with Hollow Creek West	Approximately 1,400 feet upstream of confluence with Hollow Creek West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Hollow Creek West Tributary 10	Confluence with Hollow Creek West	0.5 miles upstream of Anderson Pond Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Hollow Creek West Tributary 11	Confluence with Hollow Creek West	Approximately 190 feet downstream of Sunshine Circle	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Hollow Creek West Tributary 12	Confluence with Hollow Creek West	0.4 miles upstream of confluence with Hollow Creek West	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Hollow Creek West Tributary 12A	Confluence with Hollow Creek West	Approximately 300 feet downstream of Spaulding Bridge Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Hollow Creek West Tributary 13	Confluence with Hollow Creek West	0.4 miles upstream of confluence with Hollow Creek West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Hollow Creek West Tributary 15	Confluence with Hollow Creek West	0.9 miles upstream of confluence with Hollow Creek West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Horse Branch	Confluence with Horse Creek	Approximately 1,300 feet upstream of confluence with Horse Creek	HEC-1	HEC-2	02/01/1978	AE	
Horse Creek	Confluence with Savannah River	Approximately 160 feet downstream of confluence of Little Horse Creek	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Horse Creek	Approximately 160 feet downstream of confluence of Little Horse Creek	Approximately 90 feet downstream of Jefferson Davis Highway	HEC-1	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Horse Creek	Approximately 90 feet downstream of Jefferson Davis Highway	0.9 miles upstream of Ascauga Lake Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Horse Creek	0.9 miles upstream of Ascauga Lake Road	0.9 miles upstream of confluence of Horse Creek Tributary 5	HEC-1	HEC-2	02/01/1978	AE	
Horse Creek	0.9 miles upstream of confluence of Horse Creek Tributary 5	Approximately 240 feet downstream of Walton Street	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Horse Creek	Approximately 240 feet downstream of Walton Street	At Edgefield Highway	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Horse Creek Tributary 3	Confluence with Horse Creek	0.5 miles upstream of confluence with Horse Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Horse Creek Tributary 4	Confluence with Horse Creek	0.6 miles upstream of Jefferson Davis Highway	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Horse Creek Tributary 5	Confluence with Horse Creek	0.4 miles upstream of confluence with Horse Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Horsepen Creek	Confluence with Little Horse Creek	0.5 miles upstream of Whaley Pond Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Hunter Branch	Confluence with South Fork Edisto River	0.9 miles upstream of confluence with South Fork Edisto River	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Johnson Fork	Confluence with Upper Three Runs Creek	0.7 miles upstream of confluence of Johnson Fork Tributary 1	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Johnson Fork Tributary 1	Confluence with Johnson Fork	Approximately 1,700 feet upstream of Forest Circle South West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Johnson Fork Tributary 1.1	Confluence with Johnson Fork Tributary 1	0.8 miles upstream of confluence with Johnson Fork Tributary 1	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Johnson Fork Tributary 1.2	Confluence with Johnson Fork Tributary 1	Approximately 350 feet upstream of confluence with Johnson Fork Tributary 1	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Jordan Creek	Confluence with Dean Creek	0.5 miles upstream of confluence with Dean Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Joyce Branch	Confluence with Shaws Creek	0.5 miles upstream of confluence with Shaws Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Little Horse Creek	Confluence with Horse Creek	0.4 miles upstream of Augusta Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Little Horse Creek	0.4 miles upstream of Augusta Road	0.4 miles upstream of Jefferson Davis Highway	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Little Horse Creek	0.4 miles upstream of Jefferson Davis Highway	Approximately 160 feet upstream of Sudlow Lake Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Little Horse Creek	Approximately 160 feet upstream of Sudlow Lake Road	0.9 miles upstream of Sudlow Lake Road	HEC-1	HEC-2	02/01/1978	AE	
Little Horse Creek	0.9 miles upstream of Sudlow Lake Road	Approximately 380 feet upstream of Rainbow Falls Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Little Horse Creek	Approximately 380 feet upstream of Rainbow Falls Road	At Interstate-20	HEC-1	HEC-2	02/01/1978	AE	
Little Horse Creek	At Interstate-20	Approximately 750 feet upstream of Whaley Pond Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Little Horse Creek	Approximately 750 feet upstream of Whaley Pond Road	0.4 miles upstream of Whaley Pond Road	HEC-1	HEC-2	02/01/1978	AE	
Little Horse Creek	0.4 miles upstream of Whaley Pond Road	At Aiken-Edgefield County Boundary	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Little Horse Creek Tributary 1	Confluence with Little Horse Creek	Approximately 1,800 feet upstream of confluence with Little Horse Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Little Horse Creek Tributary 4	Confluence with Little Horse Creek	Approximately 1,400 feet upstream of confluence with Little Horse Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Long Branch North	Confluence with Shaws Creek	0.5 miles upstream of confluence with Shaws Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Long Branch South	Confluence with Town Creek	0.4 miles upstream of confluence with Town Creek	HEC-1	HEC-2	02/01/1978	AE	
Long Branch South	0.4 miles upstream of confluence with Town Creek	Approximately 1,100 feet upstream of Silver Bluff Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Long Branch South	Approximately 1,100 feet upstream of Silver Bluff Road	0.4 miles upstream of Silver Bluff Road	HEC-1	HEC-2	02/01/1978	AE	
Long Branch South	0.4 miles upstream of Silver Bluff Road	Approximately 1,100 feet upstream of River Bend Drive	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Lotts Creek	Confluence with South Fork Edisto River	0.5 miles upstream of Whispering Pine Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Lotts Creek Tributary 1	Confluence with Lotts Creek	Approximately 1,100 feet upstream of confluence with Lotts Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Marrow Bone Swamp Creek	Confluence with North Fork Edisto River	0.4 miles upstream of confluence with North Fork Edisto River	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
McTier Creek	Confluence with South Fork Edisto River	Approximately 160 feet upstream of Old Shoals Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Mill Creek	Confluence with Tinker Creek	Approximately 1,200 feet upstream of Unnamed Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Mims Branch	Confluence with Little Horse Creek	Approximately 450 feet downstream of Old Sudlow Lake Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Mims Branch	Approximately 450 feet downstream of Old Sudlow Lake Road	2.4 miles upstream of Old Sudlow Lake Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Muddy Branch	Confluence with South Fork Edisto River	0.4 miles upstream of confluence with South Fork Edisto River	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
No Name Creek To Dead River	Confluence with Savannah River	At Old Jackson Highway	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
No Name Creek Tributary To Dead River	Confluence with No Name Creek To Dead River	At Atomic Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
No Name Creek To Savannah River	Confluence with Savannah River	0.6 miles upstream of Blackston Camp Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
No Name Creek Tributary To Savannah River	Confluence with No Name Creek To Savannah River	Approximately 170 feet downstream of Beach Island Avenue	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
North Fork Edisto River	At Aiken-Lexington-Orangeburg County Boundary	Confluence of Chinquapin Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Paces Branch	Confluence with Shaws Creek	At Aiken-Edgefield County Boundary	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Pitman Branch	Confluence with Rocky Springs Creek	Approximately 1,000 feet upstream of confluence with Rocky Springs Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Pole Branch	At W. Martintown Road	Approximately 1,400 feet upstream of W. Martintown Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Pole Branch	Approximately 1,400 feet upstream of W. Martintown Road	0.5 miles upstream of W. Martintown Road	HEC-1	HEC-2	02/01/1978	AE	
Pole Branch	0.5 miles upstream of W. Martintown Road	2.1 miles upstream of Five Notch Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Pole Branch Tributary 1	Confluence with Pole Branch	Approximately 700 feet upstream of confluence with Pole Branch	HEC-1	HEC-2	02/01/1978	AE	
Pole Branch Tributary 1	Approximately 700 feet upstream of confluence with Pole Branch	0.4 miles upstream of confluence with Pole Branch	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Pole Branch Tributary 2	Confluence with Pole Branch	At Knobcone Avenue	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Pole Branch Tributary 2	At Knobcone Avenue	Approximately 110 feet upstream of Knobcone Avenue	HEC-1	HEC-2	02/01/1994	A	
Pole Branch Tributary 3	Confluence with Pole Branch	0.4 miles upstream of Bergen Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Pole Branch Tributary 4	Confluence with Pole Branch	At Knobcone Avenue	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Pond Branch	Confluence with South Fork Edisto River	0.4 miles upstream of Oak Ridge Club Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Redds Branch	Confluence with Shaws Creek	Approximately 1,800 feet upstream of confluence with Shaws Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Redds Branch	Approximately 100 feet upstream of Wire Road	Approximately 80 feet upstream of Brentwood Place North East	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Reedy Branch	Confluence with Tinker Creek	0.4 miles upstream of confluence with Tinker Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Rocky Springs Creek	Confluence with South Fork Edisto River	Approximately 1,450 feet upstream of Migrant Camp Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Rocky Springs Creek Tributary 5	Confluence with Rocky Springs Creek	0.4 miles upstream of confluence with Rocky Springs Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Sage Mill Branch	Confluence with Horse Creek	1.3 miles upstream of confluence with Horse Creek	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Sand River	Confluence with Horse Creek	Approximately 480 feet upstream of confluence of Sand River Tributary C	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Sand River	Approximately 480 feet upstream of confluence of Sand River Tributary C	Approximately 700 feet upstream of confluence of Sand River Tributary C	HEC-1	HEC-2	02/01/1978	A	
Sand River	Approximately 700 feet upstream of confluence of Sand River Tributary C	Approximately 190 feet downstream of South Boundary Avenue South West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Sand River Tributary 1	Confluence with Sand River	At Dibble Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Sand River Tributary 1 Branch 1	Confluence with Sand River Tributary 1	At Railroad	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Sand River Tributary 1 Branch 1	At Railroad	Approximately 220 feet upstream of Rollingwood Road East	HEC-1	HEC-2	02/01/1978	AH	
Sand River Tributary 2	Confluence with Sand River	Approximately 600 feet upstream of Houndslake Drive South West	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Sand River Tributary 2 Tributary 1	Confluence with Sand River Tributary 2	1.0 miles upstream of Whitney Drive Bridle Path	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Sand River Tributary 2 Tributary V	Approximately 1,000 feet upstream of Northwood Drive	At Anderson Drive South West	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Sand River Tributary 3	Confluence with Sand River Tributary 2	0.4 miles upstream of confluence with Sand River Tributary 2	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Sand River Tributary 3	0.4 miles upstream of confluence with Sand River Tributary 2	0.6 miles upstream of confluence with Sand River Tributary 2	HEC-1	HEC-2	02/01/1978	A	
Sand River Tributary C	Confluence with Sand River	Approximately 900 feet upstream of confluence with Sand River	HEC-1	HEC-2	02/01/1978	AE	
Sand River Tributary C	Approximately 900 feet upstream of confluence with Sand River	0.8 miles upstream of confluence with Sand River	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Sand River Tributary C1	Confluence with Sand River Tributary C	Approximately 1,100 feet upstream of confluence with Sand River Tributary C	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Savannah River	At Aiken, SC-Barnwell, SC-Burke, GA County / State Boundary	7.6 miles upstream of Aiken, SC-Barnwell, SC-Burke, GA County / State Boundary	HEC-HMS 4.0	HEC-RAS 4.1.0	06/24/2015	A	
Savannah River	7.6 miles upstream of Aiken, SC-Barnwell, SC-Burke, GA County / State Boundary	Approximately 1,500 feet downstream of Sand Bar Ferry Road	Flood Frequency Analysis	HEC-2	02/01/1994	AE w/ Floodway	Special report for Savannah River discharges, USGS WRIR 90-4024 (USGS, 1990), and appeal through FEMA (FEMA, 1994d). HEC-2 procedures (GDOT, 1988; Seaboard, 1976; USACE, 1959, 1974, 1988, 1991(a-b))
Savannah River	Approximately 1,500 feet downstream of Sand Bar Ferry Road	At Aiken, SC-Edgefield, SC-Richmond, GA County / State Boundary	Log-Pearson Type III Analysis	HEC-RAS 4.1.0	06/24/2015	AE w/ Floodway	
Shaws Creek	Confluence with South Fork Edisto River	At Aiken-Edgefield County Boundary	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Shaws Creek Tributary 3	Confluence with Shaws Creek	0.5 miles upstream of confluence with Shaws Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
South Fork Edisto River	At Aiken-Barnwell-Orangeburg County Boundary	At Aiken-Edgefield County Boundary	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Tinker Creek	Confluence with Upper Three Runs Creek	At Aiken-Barnwell County Boundary	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Town Creek	Confluence with Hollow Creek West	At Silver Bluff Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Town Creek	At Silver Bluff Road	Approximately 550 feet upstream of confluence of Town Creek Tributary 1 (South)	HEC-1	HEC-2	02/01/1978	AE	
Town Creek	Approximately 550 feet upstream of confluence of Town Creek Tributary 1 (South)	At Williston Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Town Creek	At Williston Road	Approximately 750 feet upstream of confluence of Town Creek Tributary 1	HEC-1	HEC-2	02/01/1978	AE	
Town Creek	Approximately 750 feet upstream of confluence of Town Creek Tributary 1	Approximately 100 feet upstream of Boyd Pond Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Town Creek	Approximately 100 feet upstream of Boyd Pond Road	Approximately 1,000 feet upstream of confluence of Unnamed Tributary 5 To Town Creek	HEC-1	HEC-2	02/01/1978	AE	
Town Creek	Approximately 1,000 feet upstream of confluence of Unnamed Tributary 5 To Town Creek	Approximately 280 feet upstream of Richardsons Lake Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Town Creek	Approximately 280 feet upstream of Richardsons Lake Road	0.6 miles upstream of confluence of Unnamed Tributary 10 To Town Creek	HEC-1	HEC-2	02/01/1978	AE	
Town Creek	0.6 miles upstream of confluence of Unnamed Tributary 10 To Town Creek	0.8 miles upstream of confluence of Unnamed Tributary 10 To Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Town Creek Tributary 1	Confluence with Town Creek	Approximately 550 feet upstream of confluence with Town Creek	HEC-1	HEC-2	02/01/1978	AE	
Town Creek Tributary 1	Approximately 550 feet upstream of confluence with Town Creek	1.1 miles upstream of confluence with Town Creek	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Town Creek Tributary 1 (South)	Confluence with Town Creek	0.6 miles upstream of confluence with Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Town Creek Tributary 2	Confluence with Town Creek	1.8 miles upstream of Bellingham Drive	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Town Creek Tributary 2.1	Confluence with Town Creek Tributary 2	Approximately 1,600 feet upstream of confluence with Town Creek Tributary 2	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Town Creek Tributary 3	Confluence with Town Creek	Approximately 220 feet upstream of Storm Branch Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Town Creek Tributary 3	Approximately 220 feet upstream of Storm Branch Road	Approximately 1,800 feet upstream of Storm Branch Road	HEC-1	HEC-2	02/01/1978	AE	
Town Creek Tributary 3	Approximately 1,800 feet upstream of Storm Branch Road	Approximately 750 feet upstream of South Fork Bend	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Town Creek Tributary 3.1	Confluence with Town Creek Tributary 3	Approximately 1,300 feet upstream of confluence with Town Creek Tributary 3	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Town Creek Tributary 3.3	Confluence with Town Creek Tributary 3	Approximately 1,550 feet upstream of confluence with Town Creek Tributary 3	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Town Creek Tributary 3.4	Confluence with Town Creek Tributary 3	0.6 miles upstream of confluence with Town Creek Tributary 3	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Town Creek Tributary 4	Confluence with Town Creek	0.5 miles upstream of Good Hope Farms Road	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Town Creek Tributary 5	Confluence with Town Creek	Approximately 650 feet upstream of Creekside Drive	HEC-HMS 4.0	HEC-RAS 4.1.0	06/24/2015	AE w/ Floodway	
Town Creek Tributary 5.1	Confluence with Town Creek	Approximately 600 feet upstream of Boyd Pond Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Town Creek Tributary 6	Confluence with Town Creek	1.1 miles upstream of confluence with Town Creek	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Town Creek Tributary 7	Confluence with Town Creek	Approximately 60 feet upstream of Estates Drive	HEC-1	HEC-2	02/01/1978	AE w/ Floodway	
Town Creek Tributary 8	Confluence with Town Creek	Approximately 250 feet upstream of Lundee Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Town Creek Tributary 9	Confluence with Town Creek Tributary 8	0.5 miles upstream of confluence with Town Creek Tributary 8	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Town Creek Tributary 11	Confluence with Town Creek	Approximately 950 feet upstream of confluence with Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Town Creek Tributary 12	Confluence with Town Creek	0.4 miles upstream of confluence with Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Town Creek Tributary 14	Confluence with Town Creek	Approximately 1,600 feet upstream of confluence with Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Town Creek Tributary 16	Confluence with Town Creek	0.6 miles upstream of Blue Roan Court	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Town Creek Tributary 18	Confluence with Town Creek	0.6 miles upstream of Chestnut Brown Court	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Tributary C To Savannah River	Confluence with Savannah River	At Crossland Avenue	Regression Equations	HEC-2	12/01/1977	AE w/ Floodway	Used the Sauer Method for modifying rural regression equations from USGS WRIR 73-52 (USGS, 1974)
Tributary C To Savannah River	At Crossland Avenue	Approximately 370 feet upstream of Crossland Avenue	Regression Equations	HEC-2	02/01/1994	AE	Used the Sauer Method for modifying rural regression equations from USGS WRIR 73-52 (USGS, 1974)
Unknown Tributary To Town Creek Tributary 8	Confluence with Town Creek Tributary 8	0.4 miles upstream of confluence with Town Creek Tributary 8	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 1 to Cedar Creek West	Confluence with Cedar Creek West	Approximately 1,400 feet upstream of Cedar Meadows Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 2 to Cedar Creek West	Confluence with Cedar Creek West	Approximately 1,250 feet upstream of Banks Mill Road South East	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 1 To Hollow Creek West	Confluence with Hollow Creek West	Approximately 1,100 feet upstream of confluence with Hollow Creek West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 2 To Hollow Creek West	Confluence with Hollow Creek West	Approximately 1,250 feet upstream of confluence with Hollow Creek West	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Unnamed Tributary 1 To Little Horse Creek	Confluence with Little Horse Creek	0.4 miles upstream of confluence with Little Horse Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 1 To Town Creek	Confluence with Town Creek	Approximately 1,600 feet upstream of confluence with Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 2 To Town Creek	Confluence with Town Creek	0.4 miles upstream of confluence with Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 3 To Town Creek	Confluence with Town Creek	Approximately 1,600 feet upstream of confluence with Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 4 To Town Creek	Confluence with Town Creek	0.4 miles upstream of confluence with Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 5 To Town Creek	Confluence with Town Creek	Approximately 1,550 feet upstream of confluence with Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 6 To Town Creek	Confluence with Town Creek	Approximately 900 feet upstream of Farmstead Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Unnamed Tributary 7 To Town Creek	Confluence with Town Creek	Approximately 950 feet upstream of Farmstead Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 8 To Town Creek	Confluence with Town Creek	Approximately 260 feet upstream of Access Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 9 To Town Creek	Confluence with Town Creek	Approximately 500 feet upstream of Estates Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Unnamed Tributary 10 To Town Creek	Confluence with Town Creek	Approximately 1,350 feet upstream of confluence with Town Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Upper Horse Creek	Confluence with Little Horse Creek	Approximately 1,500 feet upstream of confluence with Little Horse Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Upper Three Runs Creek	Confluence with Savannah River	Approximately 750 feet downstream of Unnamed Road	HEC-HMS 4.0	HEC-RAS 4.1.0	06/24/2015	A	
Upper Three Runs Creek	Approximately 750 feet downstream of Unnamed Road	Approximately 850 feet downstream of Old Barnwell Road	Flood Frequency Analysis	HEC-RAS 3.1.3	09/01/2008	AE	
Upper Three Runs Creek Tributary 8	Confluence with Upper Three Runs Creek	Approximately 1,650 feet upstream of confluence with Upper Three Runs Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 13: Summary of Hydrologic and Hydraulic Analyses, continued

Flooding Source	Study Limits Downstream Limit	Study Limits Upstream Limit	Hydrologic Model or Method Used	Hydraulic Model or Method Used	Date Analyses Completed	Flood Zone on FIRM	Special Considerations
Upper Three Runs Creek Tributary 9	Confluence with Upper Three Runs Creek	0.5 miles upstream of confluence with Upper Three Runs Creek	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	
Wise Hollow	Confluence with Cedar Creek West	Approximately 1,300 feet upstream of Wedgewood Drive	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Wise Hollow Tributary 1	Confluence with Wise Hollow	Approximately 210 feet upstream of East Pine Log Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE w/ Floodway	
Womrath Creek	Confluence with Horse Creek	Approximately 120 feet upstream of Old Aiken Road	1999 Rural / 2001 Urban South Carolina Regression Equations	HEC-RAS 3.1.3	09/01/2008	AE	

Table 14: Roughness Coefficients

Flooding Source	Channel “n”	Overbank “n”
Abrams Branch	0.045	0.140
Beaverdam Branch	0.045-0.050	0.140-0.145
Beaverdam Creek	0.045	0.120-0.140
Boggy Gut	0.045-0.050	0.150
Bradley Mill Branch	0.045-0.050	0.100-0.150
Bridge Creek North	0.045-0.050	0.125-0.150
Bridge Creek South	0.040-0.050	0.075-0.080
Bridge Creek South Tributary 1	0.040-0.050	0.075-0.080
Bridge Creek South Tributary 2	0.040-0.050	0.075-0.080
Bridge Creek South Tributary 3	0.040-0.050	0.075-0.080
Brogdon Branch	0.050	0.150
Bulls Branch	0.045-0.050	0.150
Burcalo Creek	0.045-0.050	0.125-0.150
Cedar Creek	0.045-0.050	0.140-0.150
Cedar Creek West	0.035-0.045	0.100-0.150
Cedar Creek West Tributary 1	0.045	0.140
Cedar Creek West Tributary 2	0.035	0.120-0.150
Cedar Creek West Tributary 3	0.035	0.100-0.150
Cedar Creek West Tributary 3.2	0.035	0.100-0.150
Cedar Creek West Tributary 4	0.050	0.100-0.150
Cedar Creek West Tributary 5	0.050	0.150
Cedar Creek West Tributary 6	0.050	0.100-0.150
Cedar Creek West Tributary 7	0.045-0.050	0.125-0.150
Chavous Creek	0.040-0.050	0.140
Chinquapin Creek	0.040-0.050	0.100-0.150
Clearwater Branch	0.050	0.150
Dairy Branch	0.050	0.110-0.150
Dairy Branch Tributary 1	0.045	0.110-0.140
Dean Creek	0.040-0.050	0.140-0.150
Dry Branch	0.050	0.150
Dry Branch Tributary 1	0.045	0.110-0.140
Dry Branch Tributary 2	0.045	0.120-0.140
Dry Branch Tributary 3	0.050	0.100-0.150
Fox Creek	0.040-0.050	0.075-0.080
Franklin Branch	0.045-0.050	0.100-0.140

Table 14: Roughness Coefficients, continued

Flooding Source	Channel “n”	Overbank “n”
Gopher Branch	0.050	0.150
Gully Creek	0.045-0.050	0.100-0.150
Hall Branch	0.050	0.150
Hightower Creek	0.050	0.150
Hollow Creek East	0.045-0.050	0.100-0.150
Hollow Creek West	0.040-0.050	0.100-0.150
Hollow Creek West Tributary 3	0.050	0.100-0.150
Hollow Creek West Tributary 4	0.050	0.150
Hollow Creek West Tributary 6	0.050	0.150
Hollow Creek West Tributary 7	0.050	0.150
Hollow Creek West Tributary 8	0.050	0.140
Hollow Creek West Tributary 9	0.050	0.100-0.140
Hollow Creek West Tributary 10	0.045	0.100-0.150
Hollow Creek West Tributary 11	0.040-0.045	0.100-0.150
Hollow Creek West Tributary 12	0.045	0.100-0.150
Hollow Creek West Tributary 12A	0.045	0.140-0.150
Hollow Creek West Tributary 13	0.045	0.150
Hollow Creek West Tributary 15	0.045	0.150
Horse Branch	0.045	0.140
Horse Creek	0.035-0.050	0.100-0.150
Horse Creek Tributary 3	0.050	0.150
Horse Creek Tributary 4	0.045-0.050	0.100-0.150
Horse Creek Tributary 5	0.045-0.050	0.125-0.150
Horsepen Creek	0.045-0.050	0.140-0.150
Hunter Branch	0.050	0.150
Johnson Fork	0.050	0.150
Johnson Fork Tributary 1	0.050	0.150
Johnson Fork Tributary 1.1	0.050	0.150
Johnson Fork Tributary 1.2	0.050	0.150
Jordan Creek	0.045-0.050	0.125-0.150
Joyce Branch	0.050	0.150
Little Horse Creek	0.040-0.050	0.075-0.150
Little Horse Creek Tributary 1	0.050	0.150
Little Horse Creek Tributary 4	0.050	0.150
Long Branch North	0.045	0.150

Table 14: Roughness Coefficients, continued

Flooding Source	Channel “n”	Overbank “n”
Long Branch South	0.040-0.050	0.075-0.080
Lotts Creek	0.045-0.050	0.100-0.150
Lotts Creek Tributary 1	0.050	0.150
Marrow Bone Swamp Creek	0.045-0.050	0.140-0.150
McTier Creek	0.040-0.050	0.140-0.150
Mill Creek	0.050	0.150
Mims Branch	0.045-0.055	0.120-0.150
Muddy Branch	0.050	0.150
No Name Creek To Dead River	0.040-0.050	0.075-0.080
No Name Creek Tributary To Dead River	0.040-0.050	0.075-0.080
No Name Creek To Savannah River	0.040-0.050	0.075-0.080
No Name Creek Tributary To Savannah River	0.040-0.050	0.075-0.080
North Fork Edisto River	0.050	0.150
Paces Branch	0.050	0.150
Pitman Branch	0.050	0.150
Pole Branch	0.040-0.050	0.075-0.080
Pole Branch Tributary 1	0.040-0.050	0.075-0.080
Pole Branch Tributary 2	0.040-0.050	0.075-0.080
Pole Branch Tributary 3	0.040-0.050	0.075-0.080
Pole Branch Tributary 4	0.040-0.050	0.075-0.080
Pond Branch	0.050	0.150
Redds Branch	0.012-0.050	0.080-0.150
Reedy Branch	0.050	0.150
Rocky Springs Creek	0.050	0.150
Rocky Springs Creek Tributary 5	0.050	0.150
Sage Mill Branch	0.040-0.050	0.075-0.080
Sand River	0.035	0.120-0.150
Sand River Tributary 1	0.040-0.050	0.075-0.080
Sand River Tributary 1 Branch 1	0.012-0.040	0.080-0.090
Sand River Tributary 2	0.040-0.050	0.075-0.080
Sand River Tributary 2 Tributary 1	0.050	0.100-0.150
Sand River Tributary 2 Tributary V	0.012-0.040	0.080-0.090

Table 14: Roughness Coefficients, continued

Flooding Source	Channel “n”	Overbank “n”
Sand River Tributary 3	0.040-0.050	0.075-0.080
Sand River Tributary C	0.012-0.040	0.080-0.090
Sand River Tributary C1	0.012-0.040	0.080-0.090
Savannah River (2015)	0.024-0.045	0.035-0.160
Savannah River (1994)	0.031-0.033	0.100
Shaw Creek	0.050	0.120-0.150
Shaw Creek Tributary 3	0.050	0.140-0.150
South Fork Edisto River	0.045-0.055	0.100-0.150
Tinker Creek	0.045-0.055	0.140-0.150
Town Creek	0.040-0.050	0.075-0.140
Town Creek Tributary 1	0.050	0.100-0.150
Town Creek Tributary 1 (South)	0.050	0.100-0.150
Town Creek Tributary 2	0.040-0.050	0.075-0.080
Town Creek Tributary 2.1	0.050	0.150
Town Creek Tributary 3	0.040-0.050	0.075-0.080
Town Creek Tributary 3.1	0.050	0.150
Town Creek Tributary 3.3	0.050	0.150
Town Creek Tributary 3.4	0.045-0.050	0.100-0.140
Town Creek Tributary 4	0.040-0.050	0.075-0.080
Town Creek Tributary 5	0.040-0.050	0.060-0.150
Town Creek Tributary 5.1	0.050	0.125-0.150
Town Creek Tributary 6	0.040-0.050	0.075-0.080
Town Creek Tributary 7	0.040-0.050	0.075-0.080
Town Creek Tributary 8	0.035-0.045	0.100-0.150
Town Creek Tributary 9	0.035	0.150
Town Creek Tributary 11	0.050	0.150
Town Creek Tributary 12	0.050	0.100-0.150
Town Creek Tributary 14	0.050	0.150
Town Creek Tributary 16	0.050	0.150
Town Creek Tributary 18	0.050	0.100-0.150
Tributary C To Savannah River	0.040-0.050	0.075-0.080
Unknown Tributary To Town Creek Tributary 8	0.050	0.120-0.150
Unnamed Tributary 1 To Cedar Creek West	0.050	0.100-0.150
Unnamed Tributary 2 To Cedar Creek West	0.050	0.150

Table 14: Roughness Coefficients, continued

Flooding Source	Channel "n"	Overbank "n"
Unnamed Tributary 1 To Hollow Creek West	0.050	0.150
Unnamed Tributary 2 To Hollow Creek West	0.050	0.150
Unnamed Tributary 1 To Little Horse Creek	0.050	0.100-0.150
Unnamed Tributary 1 To Town Creek	0.050	0.150
Unnamed Tributary 2 To Town Creek	0.050	0.150
Unnamed Tributary 3 To Town Creek	0.050	0.150
Unnamed Tributary 4 To Town Creek	0.050	0.100-0.150
Unnamed Tributary 5 To Town Creek	0.050	0.150
Unnamed Tributary 6 To Town Creek	0.050	0.100-0.150
Unnamed Tributary 7 To Town Creek	0.050	0.150
Unnamed Tributary 8 To Town Creek	0.050	0.150
Unnamed Tributary 9 To Town Creek	0.050	0.150
Unnamed Tributary 10 To Town Creek	0.050	0.150
Upper Horse Creek	0.050	0.150
Upper Three Runs Creek	0.045-0.050	0.100-0.150
Upper Three Runs Creek Tributary 8	0.050	0.150
Upper Three Runs Creek Tributary 9	0.045-0.050	0.150
Wise Hollow	0.035-0.040	0.100-0.150
Wise Hollow Tributary 1	0.040-0.055	0.100-0.200
Womrath Creek	0.045-0.050	0.100-0.150

5.3 Coastal Analyses

This section is not applicable to this Flood Risk Project.

Table 15: Summary of Coastal Analyses

[Not Applicable to this Flood Risk Project]

5.3.1 Total Stillwater Elevations

This section is not applicable to this Flood Risk Project.

Figure 8: 1% Annual Chance Total Stillwater Elevations for Coastal Areas

[Not Applicable to this Flood Risk Project]

Table 16: Tide Gage Analysis Specifics

[Not Applicable to this Flood Risk Project]

5.3.2 Waves

This section is not applicable to this Flood Risk Project.

5.3.3 Coastal Erosion

This section is not applicable to this Flood Risk Project.

5.3.4 Wave Hazard Analyses

This section is not applicable to this Flood Risk Project.

Table 17: Coastal Transect Parameters

[Not Applicable to this Flood Risk Project]

Figure 9: Transect Location Map

[Not Applicable to this Flood Risk Project]

5.4 Alluvial Fan Analyses

This section is not applicable to this Flood Risk Project.

Table 18: Summary of Alluvial Fan Analyses

[Not Applicable to this Flood Risk Project]

Table 19: Results of Alluvial Fan Analyses

[Not Applicable to this Flood Risk Project]